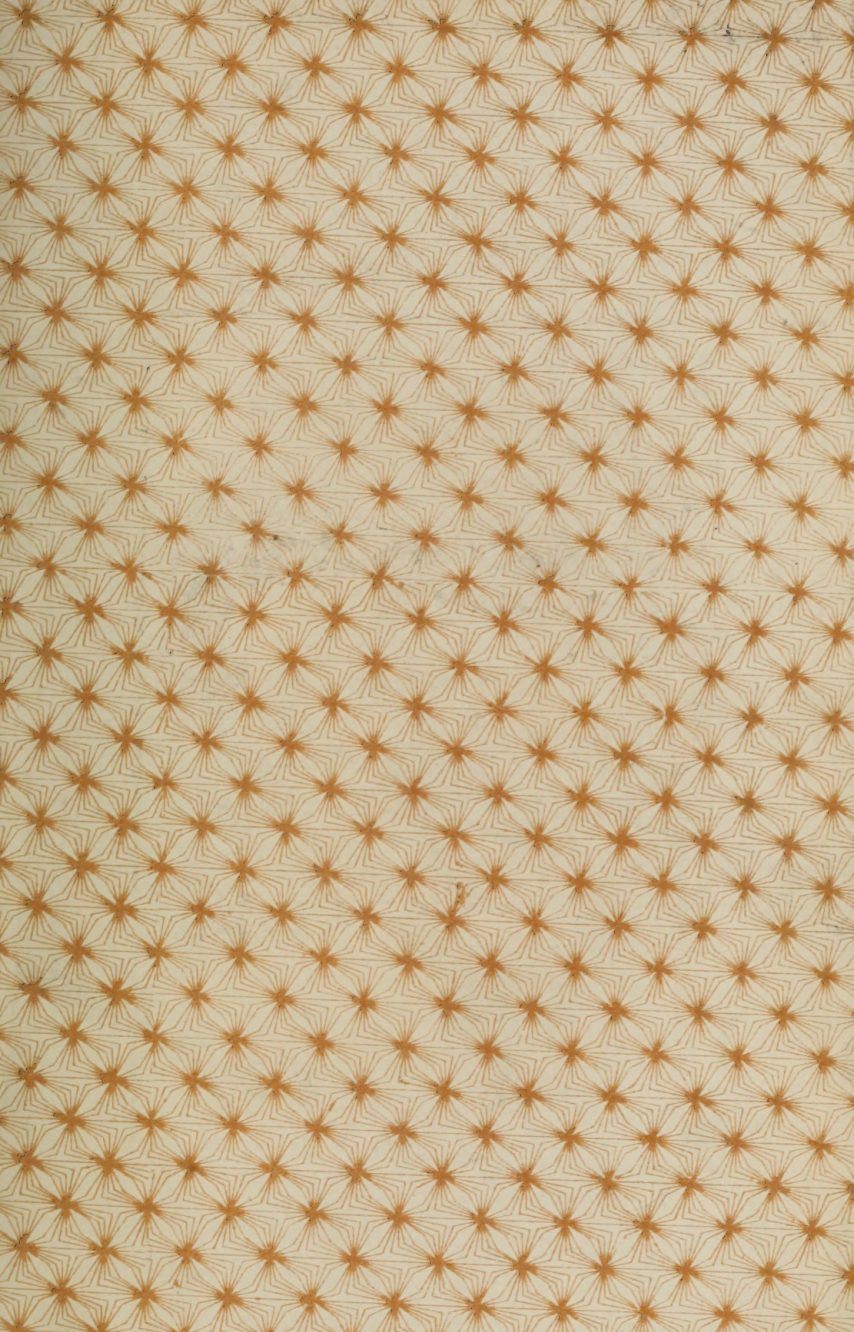



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CATALOGUE
OF THE
UNIVERSITY OF ARKANSAS
THIRTIETH EDITION



FOUNDED MARCH 27, 1871

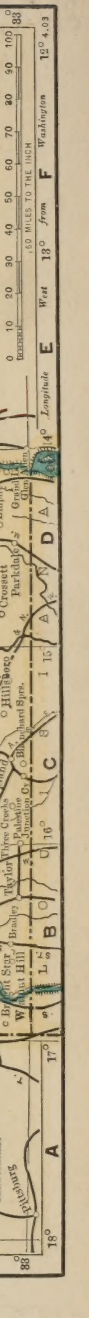
FAYETTEVILLE, ARKANSAS

1902-1903

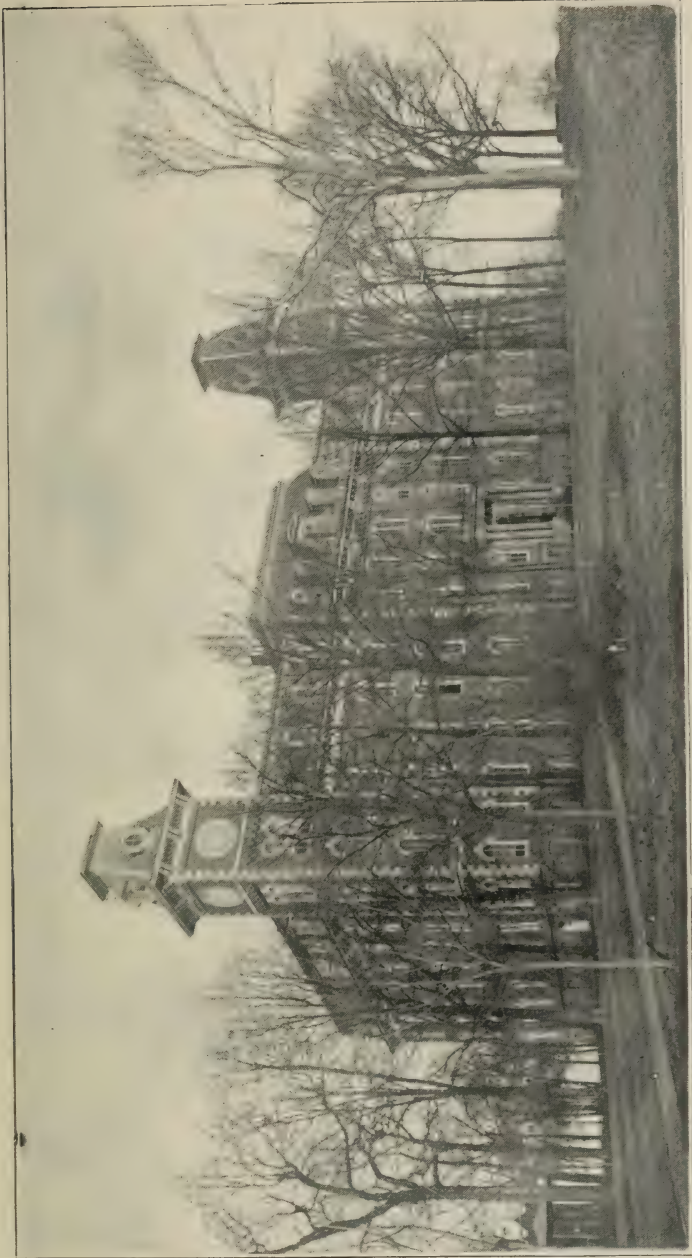


MAP OF
ARKANSAS.
Showing Location of
UNIVERSITY OF ARKANSAS
AT FAYETTEVILLE.

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SCALE OF STATUTE MILES.

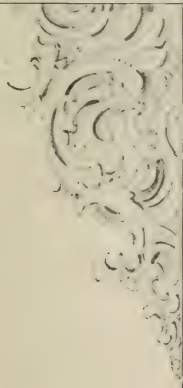
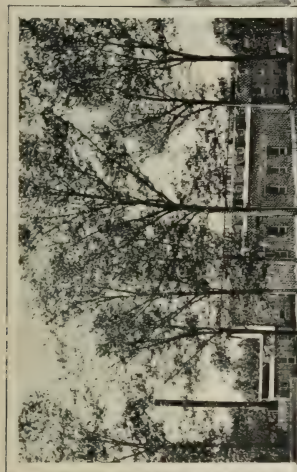


THE
JOHN CRERAR
LIBRARY.



UNIVERSITY HALL

THE
JOHN COLEMAN
LIBRARY



SCIENCE HALL



SHOPS

BUCHANAN HALL
The New Dormitory in the Background

THE
LIBRARY OF THE
MUSEUM OF MODERN ART

GREENHOUSE
University Hall in the Distance



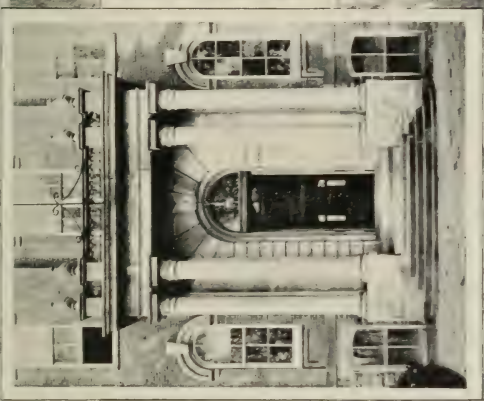
AGRICULTURAL EXPERIMENT
STATION



DIRECTOR'S OFFICE
Agricultural Experiment Station



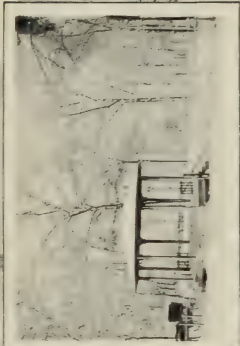
THE
JOHN CREER
LIBRARY.



MAIN ENTRANCE
UNIVERSITY HALL



CORNER OF MUSEUM

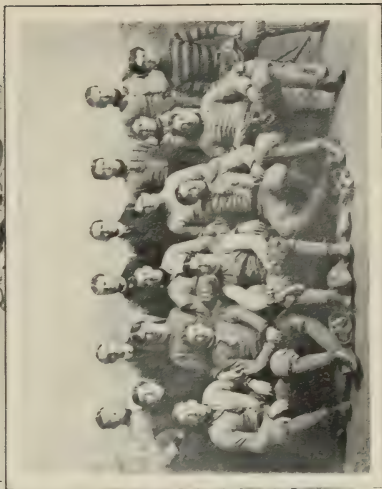


PAVILION AT CARRIAGE
ENTRANCE, UNIVERSITY CAMPUS

THE
JOHN CREAR
- LIBRARY.

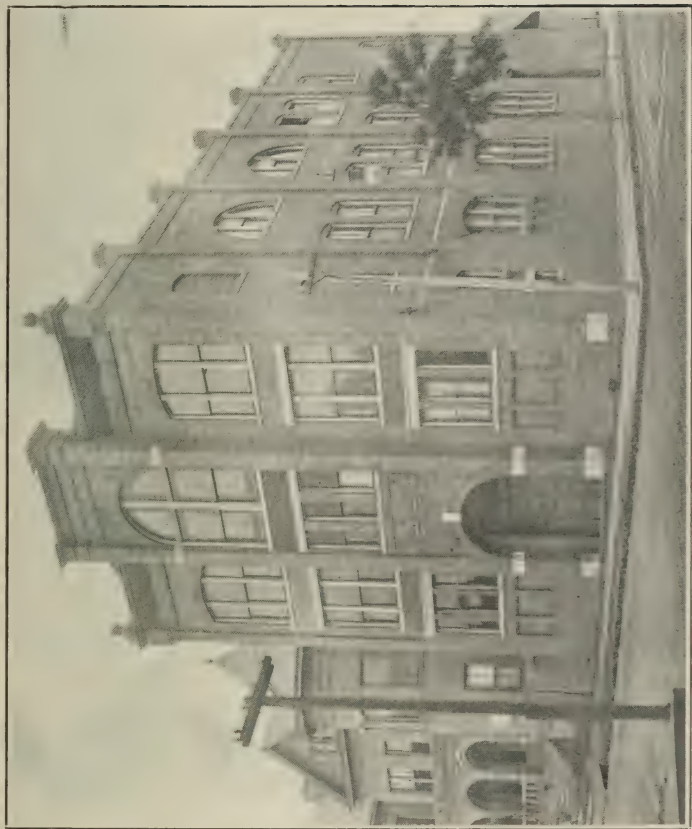


BASKET BALL TEAM



FOOT BALL TEAM

THE
JONAS LERAR
LIBRARY.



UNIVERSITY OF ARKANSAS MEDICAL SCHOOL
LITTLE ROCK

JOHN GREER
LIBRARY.



STATE CAPITOL WITH SUPREME COURT LIBRARY IN WHICH
THE LAW SCHOOL LECTURES ARE GIVEN

THE
JOHN CRERAR
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CATALOGUE
OF THE
UNIVERSITY OF ARKANSAS
THIRTIETH EDITION



FOUNDED MARCH 27, 1871

FAYETTEVILLE, ARKANSAS

1902-1903

1903

JANUARY

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1904

JANUARY

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FEBRUARY

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MARCH

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APRIL

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JUNE

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26	27	28	29	30

CALENDAR, 1903-1904.

FAYETTEVILLE.

1903.

- Sept. 16, Wednesday—First term begins.
Sept. 16-19—Entrance examinations.
Nov. 26, Thursday—Thanksgiving, a holiday.

1904.

- Jan. 22, Friday—First term examinations begin.
Jan. 30, Saturday—First term ends.
Feb. 1, Monday—Second term begins.
June 2, Thursday—Second term examinations begin.
June 12, Sunday—Baccalaureate sermon.
June 16, Thursday—Annual commencement.

MEDICAL DEPARTMENT, LITTLE ROCK.

1903.

- Oct. 19, Monday—Regular session begins.

1904.

- April 9, Saturday—Session ends.

LAW DEPARTMENT, LITTLE ROCK.

1903.

- Sept. 21, Monday—Fall term begins.

1904.

- Jan. 23, Saturday—Fall term ends.
Jan. 25, Monday—Spring term begins.
June 3, Friday—Spring term ends.

BRANCH NORMAL COLLEGE, PINE BLUFF.

1903.

- Sept. 7, Monday—Session begins.

1904.

- June 9, Thursday—Session ends.

Withdrawn 5609

578.767

AYH1

BOARD OF TRUSTEES.

HIS EXCELLENCY, JEFFERSON DAVIS, Governor of Arkansas

.....	Little Rock.
*HON. H. N. PHARR, First District.....	La Grange.
**HON. G. T. BRECKINRIDGE, First District.....	Paragould.
HON. W. H. LANGFORD, Second District.....	Pine Bluff.
HON. C. C. HAMBY, Third District.....	Prescott.
HON. H. STROUP, Fourth District.....	Paris.
HON. J. C. MITCHELL, Fifth District.....	Fayetteville.
*HON. V. Y. COOK, Sixth District.....	Elmo.
**HON. J. C. SOUTH, Sixth District.....	Mountain Home.

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DR. OTEY MILLER, Fayetteville.

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On Finance.

V. Y. COOK.	H. STROUP.	H. N. PHARR.
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On Branch Normal College.

GOVERNOR DAVIS.	H. STROUP.	W. H. LANGFORD.
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*Term expires May 20, 1903.

**Term begins May 20, 1903.

On Agricultural Department.

H. N. PHARR. V. Y. COOK. H. STROUP.

On Mechanical Department.

C. C. HAMBY. J. C. MITCHELL. W. H. LANGFORD.

On Printing.

C. C. HAMBY. W. H. LANGFORD.

On Teachers.

H. N. PHARR. J. C. MITCHELL. C. C. HAMBY.
W. H. LANGFORD.

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At Fayetteville.

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**President.*

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Professor of Mathematics and Astronomy.

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Professor of Civil Engineering.

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Professor of Electrical Engineering.

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Museum.*

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Professor of Agriculture.

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Mechanic Arts.*

FRANK WELBORN PICKEL, A. B., M. Sc.,

Professor of Biology.

ERNEST WALKER, B. S. Agr.,

Professor of Horticulture.

JOSEPH WILLIAM CARR, Ph. D.,

Professor of English and Modern Languages.

*With the exception of the President the names are arranged in groups according to seniority of appointment to present rank.

**Resigned January 1, 1903.

HARRY ALVIN MILLIS, Ph. D.,

Professor of Economics and Sociology.

WILLIAM SMYTHE JOHNSON, Ph. D.,

Professor of Philosophy and Pedagogics.

JOHN HUGH REYNOLDS, A. M.,

Professor of History.

ANTHONY MOULTRIE MUCKENFUSS, Ph. D.,

Professor of Chemistry and Physics.

BURTON NEILL WILSON, B. Sc., M. E.,

*Acting Professor of Mechanical Engineering and Superintendent
of Mechanic Arts.*

LANNING PARSONS (West Point), Captain U. S. A.,

Professor of Military Science and Tactics, and Commandant.

EDGAR FINLEY SHANNON, B. A.,

Associate Professor of English and Modern Languages.

BOLLING JAMES DUNN, A. M.,

Associate Professor of Mathematics.

LEWIS HENRY ROSE,

Associate Professor of Chemistry and Physics.

JAMES WYSE KUYKENDALL,

Principal of the Preparatory Department.

INSTRUCTORS AND OFFICERS.

HADGIE BOOKER DAVIES, A. B.

Adjunct Professor of English and Modern Languages.

JUBAL EARLY BEAVERS,

*Acting Adjunct Professor of Mechanical Engineering and
Assistant Superintendent of Mechanic Arts.*

WILLIAM ANDREW TREADWAY, E. E.,

Instructor in Electrical Engineering.

GARFIELD WINFIELD STUBBLEFIELD, B. C. E.,

Instructor in Civil Engineering.

W. A. HARDING,

Assistant Superintendent of Mechanic Arts.

GEORGE ALBERT COLE, A. M.,

Instructor in Mathematics and Bookkeeping.

EMMA WILMER COLE, A. B.,

Instructor in History and Latin.

MARY ANNE DAVIS,

Instructor in English.

ROZE EMMALINE BENNETT, A. M.,

Instructor in Mathematics and History.

MARY WHITFIELD VAULX,

Instructor in English and History.

ROBERT EDWARD PHILBECK, B. A.,

Instructor in Latin, Mathematics, and Physical Geography.

PAUL SCHMOLCK,

Musical Director.

MRS. LAURA ANDERSON,

Director of Vocal Music.

JENNIE WARD BOWMAN,

Instructor in Elocution and Physical Culture.

MRS. NEIL CAROTHERS,

Librarian.

BURTON NEILL WILSON, B. Sc., M. E.,

Superintendent of Grounds and Buildings.

JULIA WATKINS,

Superintendent of Dormitories.

MEDICAL DEPARTMENT.

At Little Rock.

HENRY S. HARTZOG, LL. D., *President.*

JAMES A. DIBRELL, M. D.,

*Professor of General, Descriptive, and Surgical Anatomy, and
President of the Medical Faculty.*

EDWIN BENTLEY, M. D., U. S. A. (Retired),

Professor of Principles and Practice of Surgery.

C. WATKINS, M. D.,

Professor of the Practice of Medicine.

JAMES H. LENOW, M. D.,

Professor of Diseases of Genito-Urinary Organs.

LOUIS R. STARK, M. D.,

Professor of Gynecology.

E. R. DIBRELL, M. D.,

*Professor of Physiology, Physical Diagnosis, and Clinical
Medicine.*

FRANK VINSONHALER, M. D.,

Professor of Ophthalmology and Otology.

T. N. ROBINSON, A. B., LL. B.,

Professor of Medical Chemistry and Toxicology.

W. H. MILLER, M. D.,

Professor of Obstetrics.

F. L. FRENCH, M. D.,

*Professor of Materia Medica, Therapeutics, Hygiene, and Botany,
and Secretary of Faculty.*

CARLE E. BENTLEY, M. D.,

Professor of Clinical Surgery and Dermatology.

JOHN R. DIBRELL, M. D.,

Professor of Surgical Pathology and Bacteriology.

W. C. DUNAWAY, M. D.,

Demonstrator of Anatomy.

E. E. MOSS, A. M., LL. B.,

Professor of Legal Medicine.

WILLIAM A. SNODGRASS, M. D.,

Prosecutor of Anatomy.

Four Assistant Demonstrators of Anatomy to be supplied.
Subordinates to the other chairs to be supplied.

SPECIAL CLINICAL LECTURERS.

R. W. LINDSEY, M. D.,

W. P. ILLING, M. D.,

C. E. WITT, M. D.

LAW DEPARTMENT.

At Little Rock.

OFFICERS.

HENRY S. HARTZOG, LL. D., *President.*

J. H. CARMICHAEL, LL. B., *Dean.*

THOMAS N. ROBERTSON, LL. B., *Secretary.*

FACULTY.

- J. H. CARMICHAEL, LL. B.,
Contracts, Pleading and Practice.
- JOHN FLETCHER, LL. M.,
Real Property.
- WILBUR F. HILL, LL. B.,
Equity Jurisprudence.
- GEORGE W. MURPHY, LL. B.,
Law of Evidence.
- TOM M. MEHAFFY, LL. B.,
Criminal Law, Practice, and Procedure.
- E. W. WINFIELD, LL. B.,
Judgments.
- J. F. LOUGHBOROUGH, LL. B.,
Commercial Paper, Domestic Relations.
- LEWIS RHOTON, LL. B.,
Law of Torts.
- DEADERICK H. CANTRELL, LL. B.,
Corporations.
- T. N. ROBERTSON, LL. B.,
Agency, Insurance.
- T. E. HELM, LL. B.,
Partnership.

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- U. S. SENATOR JAMES P. CLARKE, LL. B.
- JUDGE JACOB TRIEBER, LL. B.
- MORRIS M. COHN, LL. B.
- GEORGE B. ROSE, LL. B.
- JAMES H. HARROD, LL. B.

BRANCH NORMAL COLLEGE.

At Pine Bluff.

FACULTY.

ISAAC FISHER, Principal,

Mental and Moral Sciences, Literature.

* JAMES C. SMITH, A. B.,

Latin, Mathematics and Civics.

JOHN H. MICHAEL,

English Grammar, Rhetoric and Physical Sciences.

ANNA C. FREEMAN, L. I.,

Arithmetic, Geography and Drawing.

IRENA V. COLEMAN, L. I.,

History and Arithmetic.

MATTIE I. BENSON,

Dressmaking, Typewriting and Music.

DEPARTMENT OF MECHANIC ARTS.

B. N. WILSON, B. Sc., M. E.,

Superintendent of Mechanic Arts.

W. S. HARRIS,

Assistant Superintendent of Mechanic Arts.

J. L. ROSS,

Instructor in Machine and Forge Shops.

*Part of Term.

AGRICULTURAL EXPERIMENT STATION.

At Fayetteville.

ROBERT LOVE BENNETT, M. S.,
Director.

ROBERT R. DINWIDDIE, M. D.,
Pathologist and Bacteriologist.

CLIFFORD LEWIS NEWMAN, M. S.,
Agriculturist.

ERNEST WALKER, B. S. Agr.,
Horticulturist and Entomologist.

JOHN FRANKLIN MOORE, B. S.,
Chemist.

GEORGE B. IRBY, B. A.,
Assistant Agriculturist at Newport.

COMMITTEES OF THE FACULTY.

The President of the University is ex-officio a member of all standing committees.

1. ON DISCIPLINE—Professors Rose, Gladson, Pickel.
2. ON DOUBTFUL CASES—Professors Knoch, Reynolds, Muckenfuss.
3. ON CLASSIFICATION AND PETITIONS—Professors Purdue and Shannon.
4. ON ACCREDITED SCHOOLS—Professors Reynolds and Dunn.
5. ON LIBRARY—Professors Carr, Millis, Purdue, Mrs. Carothers.
6. ON ATHLETICS—Professors Futrall and Newman.
7. ON RECEPTION OF STUDENTS—Professors Kuykendall, Cole, and Johnson.
8. ON CATALOGUE—Professors Carr, Futrall, Knoch.

THE UNIVERSITY OF ARKANSAS.

The University is at the head of the public educational system of the state of Arkansas. It seeks to foster the higher educational interests of the state, broadly and generously interpreted, and to make provision for the demands of advanced scholarship in as many lines as its means will permit. It is the aim of its faculty and board of trustees, from year to year, to bring it into still closer articulation with the public schools of the state, and in connection with them to afford to all the youth of either sex ample facilities for liberal education in literature, science and the industrial arts, and for the professional studies.

Through the aid received from the United States and from the state of Arkansas, the University is enabled to offer to its students free tuition, except in the studies of law, medicine, music and art, and to open wide her doors to all seekers of learning.

The institution was established by virtue of an act of congress, approved July 2, 1862, providing that public lands should be granted to the several states, to the amount of "30,000 acres for each senator and representative in congress," from the sale of which there should be established a perpetual fund, "the interest of which shall be inviolably appropriated by each state, which may take and claim the benefit of this act, to the endowment, support and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in

such manner as the legislatures of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life.” The act forbids the use of any portion of the aforesaid fund, or of the interest thereon, for the purchase, erection, or maintenance of any building or buildings. The states accepting the provisions of the act are required to provide for the construction and maintenance of the necessary buildings, and for the expenses of administration in carrying out the purposes of the act.

The general assembly of the state of Arkansas accepted the national law by passing an act, approved March 27, 1871, which provided for the location, organization, and maintenance of the University of Arkansas, and which allowed the several counties of the state to compete until a certain time for the location of the University by making public or private donations of bonds, moneys, or lands. Several individuals and communities made bids; Washington, the only county that competed, voted \$100,000. Fayetteville, Washington County, voted \$30,000 in addition, and was selected as the seat of the University. The institution was opened January 22, 1872.

Under an act of congress, approved March 2, 1887, the University receives \$15,000 annually for the maintenance of the experiment station, “to aid in acquiring and diffusing among the people useful and practical information on subjects connected with agriculture, and to promote scientific investigation and experiment respecting the principles and applications of agricultural science.”

Under an act of congress, approved August 30, 1890, the University receives \$25,000 annually, “to be applied only

to instruction in agriculture, the mechanic arts, the English language and the various branches of mathematical, physical, natural and economic science, with special reference to their application to the industries of life."

The University is dependent not only upon the income donated by the national government, but upon the appropriations made by the general assembly of the state of Arkansas, in order to meet the requirements of the national government, and to provide for the further development of the institution.

LOCATION.

The University, except its Medical and Law Schools and Branch Normal College, is located at Fayetteville, Washington County, Ark. Situated in the heart of the Ozark Mountains, it is more than 1,500 feet above the sea level. The location is thought to be unsurpassed in salubrity of climate, in beauty of surrounding scenery, in variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

Students may reach Fayetteville from both the north and the south by the Texas branch of the St. Louis & San Francisco Railroad, which has three trains daily each way, and various connections with other roads, both north and south. From the west students may reach Fayetteville by the Ozark & Cherokee Central Railroad.

BUILDINGS.

University Hall.

This is a brick structure with cut stone trimmings and a stone foundation. It is four stories in height above the basement. It consists of a front building 214 feet in length,

and two wings, each 124 feet in depth, the whole forming three sides of a quadrangle. This building contains a large number of class rooms, chapel, library and reading room, separate study halls for the boys and girls of the preparatory department, armory, magazine, band room, laboratories for engineering, biology, and geology, music and art rooms, president's and commandant's offices, natural history museum, examination hall, literary society halls, toilet rooms, etc., in all seventy rooms, together with broad corridors and stairways. The building is heated by steam, lighted by electricity, and supplied with water from the city waterworks.

Science Hall.

This building, designed especially for the departments of chemistry and physics, is a substantial two-story brick building, 50x90 feet. The basement is fitted up with suitable furnaces for assaying and metallurgical work. On the first floor are the lecture rooms of the two departments, the general physical laboratory, the advanced physical laboratory and storeroom, and also the office of the professors in charge. On the second floor are the chemical laboratories, including a laboratory for general chemistry, a laboratory for qualitative analysis, and a laboratory devoted to quantitative analysis, and a private laboratory; also a storeroom for chemical supplies and a weighing room. The building is supplied with gas, water, steam heat, and with modern appliances for technical work. It will accommodate about 150 students.

Buchanan Hall.

This is a substantial and handsome brick building, three stories high, and containing over forty rooms. It is favorably located, with a view to the health of the occupants, and

convenience of access to University Hall. The rooms are large, well ventilated and lighted, and open into broad corridors extending lengthwise through the building. From a wide veranda in front, there are three entrances to the building. There are also two rear entrances, and on the third floor a suite of rooms fitted up for an infirmary. Through the generosity of the ladies of Fayetteville, this suite of rooms has been thoroughly equipped. In the rear of the hall a brick building has been erected, which furnishes bath and toilet rooms, supplied with cold and hot water.

The New Dormitory.

The new dormitory, for which a special appropriation was made by the general assembly of 1901, is now in use. It is located west of the main University building and north of Buchanan Hall, and is convenient of access to both buildings. It is a substantial brick structure, three stories high, with a foundation of range stone work, and with trimmings of dressed limestone, and contains in all some twenty-five rooms. The first story contains a commodious dining hall, 38x86 feet, which is sufficiently large to accommodate all students who occupy rooms in University dormitories. On this story also are kitchen, storeroom, furnace room, coal bin, etc. The second and third stories contain some twenty rooms for students, besides ample corridors, stairways, etc. By the aid of the superintendent and the liberality of the students and citizens a handsome suite of parlors has been tastefully and elegantly furnished. The entire building is heated by steam, lighted by electricity, and supplied with water by the city waterworks.

Agricultural Buildings.

The principal buildings of the agricultural experiment station are of brick, one story in height. They contain several offices, the laboratories of the station, the station museum, and several commodious storerooms. Belonging to the department of agriculture are a large barn, stock shed, dairy house, and other necessary outbuildings. There is also a handsome and conveniently located cottage residence for the manager of the University farm.

Horticultural Building.

This structure is 60x23 feet, is heated by steam, and supplied with improved ventilating apparatus and other modern conveniences. Attached to this is a building 24x30 feet, which is designed to be used as a laboratory for plant study. The equipment thus provided furnishes much-needed facilities for study and research to all persons interested in plant life, and especially to students of horticulture.

The building is located north of University Hall, and together with the improvement of the adjacent grounds, adds much to the sightliness of that part of the campus.

The Shops.

The present Mechanical Hall was built to take the place temporarily of the building consumed by fire on October 20, 1902. It is of brick, 40 feet wide and 155 feet in length, with the boiler house, 35x40 feet adjoining. The shop contains the mechanical laboratory, machine shop, wood shop, foundry and forge shop. The shops will accommodate about fifty students at one time.

The Library.

The library occupies the north wing of the main building, second floor. It now contains about 8,000 volumes, with numerous pamphlets, maps, charts, etc. Shelves are provided for 14,000 volumes, with room for expansion. There are also special libraries belonging to various departments comprising nearly 1,800 volumes.

The privileges of the library, under proper regulations, are free to all students.

The Dewey decimal system of classification and the Cutter book-numbers are used, thereby simplifying the circulation of books and the general care of the library.

The leading high class periodicals (including magazines, reviews and various technical monthlies) are regularly taken, and are bound as they accumulate. This vast fund of current literature is rendered more useful and accessible by "Poole's Complete Index" to periodic literature from 1802, to the present time. Forty-five magazines, thirty-five weekly and seven daily papers are received by the library.

Among the works of general reference in the library are many of the best encyclopedias and dictionaries.

The card catalogue, with a capacity for 30,000 volumes, greatly facilitates reference and increases the usefulness and popularity of the library. Cards for Warner's Library of the World's Best Literature, prepared by the American Library Association, have recently been added to this catalogue.

The Armory.

The armory is a large, well-lighted room, 60x80 feet, occupying the entire basement of the north wing of the main building. It is substantially fitted up with arm racks,

compartments for equipments, and other conveniences. Two adjacent rooms are assigned to the military department, and are used as bandroom and storeroom.

The equipment of the department consists of 300 Springfield cadet rifles, of the same model as those used at the United States Military Academy at West Point, 300 sets of infantry equipments, twenty-seven cadet swords (West Point pattern), national colors, flags, signal equipment, ammunition, etc., and a superior set of band instruments.

The arms and equipments are furnished the University by the general government. The other equipments have been purchased by the University and belong to the military department. The equipment is sufficient for a battalion of 400 cadets.

THE LABORATORIES.

In the laboratories of the University opportunities are afforded for practical instruction in chemistry, mineralogy, physics, botany, zoology, entomology, horticulture, and in civil, mechanical and electrical engineering.

Chemical Laboratories.

The laboratories for chemical work are four in number and are situated in Science Hall. The laboratory of general chemistry is furnished with desks capable of accommodating a hundred students. Each desk has a cupboard and drawers, and is provided with gas and water. The qualitative laboratory has desks for sixteen students. Each desk is provided with suitable conveniences for taking care of apparatus, and is supplied with all the common reagents. The room is provided with a hood and other equipments usually

found in qualitative laboratories. The quantitative laboratory has suitable accommodation for sixteen students, with the usual equipments. Adjoining the quantitative laboratory is the weighing room, which contains two of Becker's best analytical balances, besides a number of less accurate instruments suitable for weighing large quantities of chemicals. The storeroom contains all the apparatus and chemicals. The room is in charge of an assistant, who gives out the supplies and keeps the books. This room contains the apparatus for preparing distilled water. Adjoining the balance room is the private laboratory of the professors in charge.

The general physical laboratory is a room 20x70 feet, and is provided with large tables suitable for use in performing experiments in general physics and physical measurements. It has also pillars built up from the ground, and independent of the rest of the building, for the accommodation of delicate instruments which would otherwise be disturbed by the vibrations of the floor. The storeroom of physical apparatus is supplied with instruments suitable for illustrating the principles of physics and for the use of students in practical work.

The advanced physical laboratory has three cement tables, built up from the ground, wall attachments for galvanometers, and other conveniences for work in electricity, light and heat.

Biological Laboratory.

The biological laboratory is located on the third floor of University Hall, and has accommodation for about forty students. The laboratory is furnished with work tables, a sink, and the necessary gas fixtures for incubators,

sterilizers, etc., also an aquarium for keeping aquatic animals and plants on hand for observation and study. The equipment in apparatus consists of Bausch and Lomb compound microscopes, dissecting microscopes, microtomes, and such other apparatus and chemicals as are needed for practical work in biology. There is a collection of insects and also apparatus for collecting, drying, preserving and mounting insects. The laboratory has a number of skeletons of different animals, and models and charts for teaching plant and animal anatomy.

Geological Laboratory.

The geological laboratory is provided with aneroid barometers, compasses, hand-levels, pedometers, etc., for field work, two petrographic microscopes, and an excellent equipment of drawing apparatus for the construction of geological sections and topographic maps; also, with apparatus for the construction of relief maps.

There is a well-equipped laboratory for determinative mineralogy, and a room for the preparation of relief maps and other work connected with the department of geology.

Mechanical Engineering Laboratory.

The laboratory contains the following machinery:

One 15-horsepower vertical boiler.

One 10-horsepower slide-valve steam engine.

• One 10-horsepower Hamilton gasoline engine.

One 3x4 Duplex steam pump, and one 60,000-pound

Rheile testing machine.

The laboratory is well provided with apparatus for experimental work, including steam calorimeters, engine

indicators and counters, injectors, thermometers, pressure gauges, measuring tanks, feed-water heaters, condensers, etc.

The steam boilers used for heating the University buildings are arranged so as to be available for experimental work, and the shop engine, a Corliss, is also used for purposes of instruction.

Electrical Laboratory.

The electrical laboratory affords excellent facilities for experimental work with practical dynamo-electric machines. In the laboratory will be found the leading types of machines for arc and incandescent lighting, and for power; constant current and constant potential motors and generators; a Kelvin balance, standard cells, and a potentiometer for standardizing measuring instruments; Weston and other voltmeters and ammeters; electro-dynamometers; galvanometers of the tangent, reflecting, and Deprez d'Arsonval types; magnetometers; standard resistance coils and bridges; absorption dynamometers, telegraph and telephone instruments.

During the past three years there have been added two Kelvin voltmeters, a D. C. A. C. polyphase motor-generator, a standard photometer, 120,000 volt testing transformer, wireless telegraph apparatus, electroplating vat, X-ray apparatus, and a large number of smaller pieces of apparatus.

This equipment, to which valuable additions are made from time to time, enables the student to carry on experimental work of a very wide range, and to attain proficiency in operating and testing electrical machinery and instruments.

Students are also allowed to inspect the plant of the Fayetteville Electric Light and Power Company, and to

take measurements and make tests on it. The electrical laboratory is connected with their primary mains, and is thus supplied with alternate currents of 2,200 volts potential for experimental work.

Civil Engineering Laboratory and Equipment.

The civil engineering laboratory is provided with all necessary instruments for work in land, railroad and city surveying. The equipment of field instruments has been selected so as to afford students the opportunity of becoming familiar with the instruments of different manufacturers. Among the usual field instruments there are a number of engineers' transits, theodolite, Y levels, transit with solar attachment, compasses, hand levels, standard and ordinary steel tapes, aneroid barometers, plane table, sextant, etc.

The laboratory has been entirely remodeled, now occupying two large, well-lighted rooms in the basement of the main building. An equipment for work in practical astronomy has also been added, consisting of a large altazimuth, reading to seconds by levels and micrometers; a sidereal clock with break circuit attachment and a chronograph reading to tenths of seconds.

Cement Laboratory.

The equipment for the purpose of testing the strength of mortars and cement, includes one 2,000-pound tensile testing machine, standard consistency apparatus, Vicat's and Gilmore's needles for determining set, metal moulds for tension, compression and transverse test-pieces, steaming apparatus for blowing tests, and sieves for fineness.

Shop Equipment.

The machine shop contains a Corliss engine, which runs the machinery in the whole building, a large iron planer, a shaper, four lathes of different sizes and makes, drill press, two grinding machines, milling machine, 60-000 pound testing machine, and a good supply of hand tools, benches and materials.

The forge shop contains twelve Buffalo forges with down draft which takes the smoke away through underground pipes, thus avoiding the smoke and dirt of the ordinary blacksmith shop. It also contains a shearing and a punching machine, twelve anvils of different weights, and all the necessary blacksmith tools for the twelve forges.

The wood shop contains one buzz planer, one large cylinder planer, circular saw, band saw, double spindle shaper, mortising and boring machine, five smaller lathes, one 18-inch patternmaker's lathe, and eighteen benches, each equipped with a complete set of carpenter's tools.

The foundry contains one Colliau cupola with a capacity of one and one-half tons of iron per hour, one brass furnace of 150 pounds capacity, a Buffalo pressure blower, and a coke oven.

The foundry is well equipped with moulder's tools, flasks, etc.

The boiler room contains two 75-horsepower boilers, one 40-horsepower boiler, feed pump, injectors, feed-water heater, measuring tanks, etc.

The various departments of the shop building afford facilities for giving practical instruction to sixty or seventy students at one time.

Among the facilities for instruction in engineering contained in the equipment of the University in addition to the shop equipment may be mentioned:

A Dean steam pump with air chamber, water and steam cylinders, and valve chambers sectioned, so that a student may see the working parts.

A Cameron steam pump with a steam cylinder sectioned, showing the valve motion.

A Knowles pump in full working order.

A Blake steam pump in section.

Sections of injectors.

A model of a Stevenson's link motion.

A collection of samples of manufactured articles, such as steam pipe coverings, leather beltings, lubricating oils, etc.

Drawing Room.

The equipment includes the usual tables and stools; and among the special apparatus and instruments may be mentioned the planimeter, odontograph, slide rule, etc. A blue-print room contains complete facilities for the details of the blue print process. One room is provided with photographic facilities, which will be used to prepare lantern slides and prints illustrating various branches of engineering.

Physical Culture Room.

A large room on the north wing of the main building is set apart for the use of the department of physical culture. This room has been furnished as far as means were available with the equipment necessary for systematic physical training.

THE MUSEUM.

A. H. PURDUE, Curator.

The museum occupies the fourth floor of the south wing of the main building. Large additions have recently been made to its equipment with a view to facilitate instruction in geology and biology, and also to make it of increased interest to the visiting public. That portion of the collection suitable for display is arranged in glass cases, while the working collection is in drawers. Four new sloping-top cases with drawers beneath have recently been added, thus affording space for several thousand specimens.

Relief Maps. For illustration in geology and general interest to the public, there have been placed in the museum the following relief maps: Geological relief maps of the state of Arkansas, Colorado Canon, central Tennessee and the United States; a convex relief map of the United States on a section of a globe sixteen feet in diameter; a relief map of Carmel Bay, California; Ice Spring Craters, Utah; Yosemite Valley, Palestine, Mount Vesuvius, the state of California, and San Francisco Peninsula. Other maps are in preparation at the University.

The Mineral Collection. The mineral collection contains about 2,000 specimens, representing the different mineral groups. Many of these specimens are displayed in cases.

The Petrographic Collection. The most valuable part of this collection consists of the series furnished by the United States geological survey, representing sedimentary,

igneous and metamorphic rocks. Besides this, there is a valuable collection of building and other stones from different parts of the country.

Paleontological Collection. There is a large collection of fossils in the museum, but as they have not yet been arranged and catalogued, the number of specimens cannot be even estimated.

The Major Earle Collection. Major F. R. Earle has deposited in the museum his private collection of minerals and fossils. This collection was formerly in Cane Hill College.

The Zoological and Botanical Collection. This collection consists of 200 birds and mammals, representing eighty species; 200 reptiles and amphibians, representing forty species; 1,500 fishes, representing 350 species; 1,000 insects and other invertebrates, representing 200 species; several skeletons.

Donations to the museum will be gratefully acknowledged, and the donors may be sure that anything of value sent to it will be carefully preserved and duly credited to the donor. Collections in the hands of private parties are likely to be soon scattered and destroyed through lack of care or improper handling. The museum is now prepared to receive collections on deposit, and to preserve and display them under the owner's name until called for.

While the museum is most important on account of its educational value, it at the same time serves an important purpose in representing the resources of this state.

***CONDITIONS OF ADMISSION.**

Candidates for admission are urged to be present on the opening day of the session. Admission at a later date is not refused, but is attended with greater or less inconvenience.

Students on their arrival in Fayetteville should report promptly to the president. Needless delay in reporting or unseemly conduct may justify exclusion from the University.

Applicants should present certificates of honorable discharge from the school last attended, or furnish other testimonials of good moral character.

Entrance examinations will be required of all students entering the University except those who bring certificates from accredited preparatory schools or from other reputable colleges or universities. For the time at which these examinations will be held see page 38.

ADMISSION TO FRESHMAN CLASS.

The requirements for admission to the Freshman class consist partly of constants, or required subjects, and partly of electives. At present a student must present for admission to the B. A., B. S., and Normal courses thirty-one credits; to the engineering courses, twenty-four credits. One credit is regarded as the equivalent of one recitation of sixty minutes, or two recitations of thirty minutes each, in a study for a school year of thirty-six weeks. Below will be found a detailed statement of the requirements for admission to the different courses:

*For terms of admission to the preparatory department see pages 44 and 45.

FOR B. A., B. S., AND NORMAL COURSES.**Required:**

English, 8 credits.

Algebra, 5 credits.

Plane Geometry, 4 credits.

United States History, 3 credits.

General History or Greek and Roman History,
3 credits.

Total, 23 credits.

Required in addition, 8 credits selected from the following groups:

Group A: { Latin, 8 credits.
Greek, 8 credits.
French, 8 credits.
German, 8 credits.

Group B: { Physical Geography, 2 credits.
Physiology, 2 credits.
Botany, 2 credits.
Zoology, 2 credits.
Physics, 2 credits.
Chemistry, 2 credits.
English History, 2 credits.
Civil Government, 2 credits.
Bookkeeping, 2 credits.
Freehand Drawing, 2 credits.
Shop Work, 2 credits.

Candidates for the B. A. degree will be required to present eight credits from group A, all in one language.

Candidates for the B. S. degree, or for the Normal course, will be required to present eight credits selected from group A or B, or both.

FOR THE ENGINEERING COURSES.

Required:

English, 8 credits.

Algebra, 5 credits.

Plane Geometry, 4 credits.

United States History, 3 credits.

Total, 20 credits.

Required in addition, 4 credits selected from Group A or B.

The following is a statement of the work in the different subjects, both required and elective, upon which will be based the entrance examinations:

English.

Eight Credits.

The examination will consist of two parts:

I. *Reading and Composition*—The candidate will be required to write a composition on one of eight topics, drawn in 1903, 1904 and 1905, from the following works:

Shakspeare's Merchant of Venice and Julius Caesar; The Sir Roger de Coverley Papers in the Spectator; Goldsmith's Vicar of Wakefield; Coleridge's Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's Princess; Lowell's Vision of Sir Launfal; George Eliot's Silas Marner.

II. *Careful Study and Composition*—A certain number of books will be prescribed for careful study. This part of the examination will be upon subject-matter, literary form, and logical structure, and will also test the candidate's

ability to express his knowledge clearly and accurately. The books prescribed for this part of the examination in 1903, 1904 and 1905 are:

Shakspeare's *Macbeth*, Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

The candidate is expected to read intelligently all the books mentioned in I. He should read them as he reads other books; he is expected, not to know them minutely, but to have freshly in mind their most important parts. In every case knowledge of the book will be regarded as less important than ability to write English. As additional evidence of preparation, the candidate may present an exercise-book, properly certified by his instructor, containing compositions or other written work.

No candidate will be accepted in English, whose work is seriously defective in point of spelling, grammar, idiom, punctuation, or division into paragraphs.

In connection with the reading and study of the prescribed books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be committed to memory.

Algebra.

Five Credits.

To simultaneous quadratic equations, with special attention to factoring, the theory of exponents, and radicals. The examination will be taken from Wentworth's *Higher Algebra*.

Plane Geometry.

Four Credits.

All of Plane Geometry will be required for admission to the Freshman class.

United States History.

Three Credits.

The completion of Montgomery's Leading Facts or an equivalent.

General History.

Three Credits.

The completion of Myers's General History or an equivalent.

History of Greece and Rome.

Three Credits.

The completion of Myers's History of Greece and Myers's History of Rome, or equivalents.

English History.

Two Credits.

Montgomery's English History, or an equivalent.

Latin.

(a) First Latin Book complete; Text-book: Collar & Daniell, Bennett or an equivalent.

Four Credits.

(b) Caesar and prose composition. Four books of Caesar, with twenty-five lessons in Bennett's Latin Composition, or the equivalent.

Four Credits.

Greek.

(a) The completion of White's Beginner's Greek, or an equivalent.

Four Credits.

(b) Three books of Xenophon's Anabasis, with the whole of Collar & Daniell's Greek Prose Composition.

Four Credits.

Elementary German.*Four Credits.*

The examination will be suited to the proficiency of those who have had the equivalent of German 1 (see page 68 of this catalogue), and will test (a) the candidate's knowledge of the rudiments of German grammar; (b) ability to read easy prose at sight, and (c) to translate simple English sentences into German. The candidate should have read 200 pages of easy prose.

Advanced German.*Four Credits.*

The examination will be suited to the proficiency of those who have had the equivalent of German 2 (see page 68 of this catalogue), and will test the candidate's ability (a) to read modern German prose and poetry at sight, and (b) to translate easy English narrative into German. The candidate should have read 370 pages of the works of Riehl, Freytag, Heine, Lessing, Goethe, and Schiller, and thirty pages of lyrics and ballads.

Elementary French.*Four Credits.*

The examination will be suited to the proficiency of those who have had the equivalent of French 1 (see page 69 of this catalogue), and will include (a) the translation at sight of ordinary nineteenth century prose; (b) the translation from English into French of sentences to test the candidate's familiarity with elementary grammar. The candidate should have read 300 pages of simple prose.

Advanced French.*Four Credits.*

The examination will be suited to the proficiency of those who have had the equivalent of French 2 (see page 69 of this catalogue), and will test the candidate's ability

(a) to translate standard French prose and poetry at sight, and (b) to turn easy English prose into French. The candidate should have read 600 pages in the works of such authors as Daudet, Loti, Sandeau, Corneille, Racine and Molière.

Chemistry.

Two Credits.

Remsen's Chemistry (Elementary Course), Freer's Elements of Chemistry, or Hessler & Smith's Essentials of Chemistry, or an equivalent; sufficient apparatus for the teacher to perform all the experiments.

Physics.

Two Credits.

Gage's Elements of Physics, Appleton's School Physics, or Hall & Bergen's Physics, or an equivalent; sufficient apparatus for the teacher to perform all the experiments.

Physical Geography.

Two Credits.

Davis's Physical Geography, or Gilbert & Brigham's Physical Geography, or an equivalent.

Physiology.

Two Credits.

Martin's Human Body, elementary course, or an equivalent.

Botany.

Two Credits.

Gray's Lessons in Botany and Vegetable Physiology, or an equivalent.

Zoology.

Two Credits.

Packard's Zoology, elementary course, and Boyer's Laboratory Guide, or an equivalent.

Civil Government.*Two Credits.*

McLeary's Civil Government and Arkansas and the Nation, or an equivalent.

Bookkeeping.*Two Credits.*

Credits in bookkeeping will be given upon the certificate of the instructor stating the amount of work done, when accompanied by a complete set of practice books in double entry, satisfactorily written up.

Free-hand Drawing.*Two Credits.*

Drawings from models and machine parts, or credit may be given on good art drawings.

Shop Work.*Two Credits.*

Credits in manual training, carpentry, machine shop, forge shop or foundry will be accepted.

ORDER OF EXAMINATIONS FOR ADMISSION.

Wednesday, September 16.—9 a. m., registration of students; 1 to 3 p. m., Geometry.

Thursday, September 17.—1 to 4 p. m., Algebra.

Friday, September 18.—1 to 4 p. m., Latin.

Saturday, September 19.—9 to 10:30 a. m., Reading and Composition; 10:30 to 12 m., Careful Study and Composition; 1 to 2:30 p. m., U. S. History; 2:30 to 4 p. m., General History.

The order of examinations in other subjects will be announced at the opening of the University.

EXAMINATIONS AT PLACES OTHER THAN FAYETTEVILLE.

Students living at a distance from the University may obtain special examinations near their homes if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

ADMISSION BY CERTIFICATES.

The graduates of accredited schools are admitted to the Freshman class in the University without examination, provided, in all cases, certificates from the principal of the school attended be presented, containing specific statements of the kind and extent of work done in the studies in which credits are desired. Blank forms for such certificates will be furnished by the University. Students from schools regularly accredited to other reputable colleges and universities will be admitted to the Freshman class without examination, provided they present evidence that such schools are duly accredited and that they have completed the work required for admission to the Freshman class of this University in the courses which they desire to take.

A student who presents a certificate of scholarship from a high school, academy, or college not on the list of accredited schools, is required to take such examinations as may be

prescribed. The result of such examinations, together with the certificates, will be passed on and proper credit allowed by the professors of the departments which such student proposes to enter.

ADMISSION TO ADVANCED STANDING.

Candidates for admission to classes in advance of the Freshman will be required to pass satisfactory examinations in the subject previously pursued by the class which they propose to enter. But such candidates coming from colleges or universities of good standing may on the presentation of the proper certificates as to the studies pursued be admitted provisionally to such standing and upon such terms as the faculty may deem equitable in each case.

ACCREDITED SCHOOLS.

On application from the principal of any high school, academy, or other institution, an officer of the University will visit and examine the organization and work of such school. The points to be observed are the subjects included in the course of study, the extent of instruction in each subject, the text-books used, the length of the session, length of the recitation hours, methods of teaching, facilities for instruction, and the discipline. Upon a favorable report, submitted in writing by the visiting officer, the school is declared by vote of the faculty duly accredited to the Freshman class of the University.

Any changes that may occur, especially in the principalship of the school, or in its course of study, should be reported to the president of the University, as the list of accredited schools is subject to yearly revision.

The University earnestly desires to cultivate friendly and harmonious relations with all other educational enterprises of the state, and to add to its list all schools that are doing the required work and that desire to assume the accredited relation.

LIST OF ACCREDITED SCHOOLS.

Harrison High School.....	Principal, J. H. Caldwell.
Bellefonte High School.....	Principal, W. D. Jeter.
Fort Smith High School.....	Principal, B. W. Torreyson.
Little Rock High School.....	Principal, Howard Gates.
Marianna High School.....	Principal, C. L. O'Daniel.
Lonoke High School.....	Principal, A. J. Meadow.
Pine Bluff High School.....	Principal, J. H. Witherspoon.
Paris (Tex.) High School.....	Principal, J. G. Wooten.
Helena High School.....	Principal, S. H. Spragins.
Hot Springs High School.....	Principal, Geo. B. Cook.
Amity High School.....	Principal, S. M. Samson.
Paris Academy.....	Principal, G. S. Minmier.
Dardanelle High School.....	Principal, W. T. Blount.
Eureka Springs High School.....	Principal, C. S. Barnett.
Southwestern Academy, Magnolia.....	Principal, J. M. Williams.
Texarkana High School.....	Principal, W. S. Horton.
Hope High School.....	Principal, J. T. Shipman.
Thompson's Classical Institute, Paragould.....	
.....	Principal, R. S. Thompson.
Fordyce Training School.....	Principal, M. E. Holderness.
Camden High School.....	Principal, H. H. Harper.
Spears-Langford Military Academy, Searcy..	Principal, R. B. Willis.
Van Buren High School.....	Principal, O. O. Florence.
Green Forest Academy.....	Principal, E. C. Cooper.
Arkansas Cumberland College.....	Principal, Edwin H. Tiles.
Springdale High School.....	Principal, W. E. Simpson.
Salem High School.....	Principal, J. W. C. Gardner.
Batesville Public Schools.....	Principal, T. E. Sanders.

GENERAL INFORMATION.**Selection of Courses of Study.**

Students are allowed all reasonable freedom in choosing their courses of study. But they are required to pursue their studies in the order prescribed, and, when candidates for a degree, to complete, as a condition of graduation, all the subjects in the course leading to such degree. Changes in the course of study selected are discouraged, but for sufficient reasons are allowed if made within three weeks after admission; subsequently no such change can be made during the session except by the express permission of the faculty.

Number of Recitations.

Not less than twelve nor more than eighteen recitations or their equivalent per week, exclusive of military science and tactics, are allowed, except by permission of the faculty. Two hours of laboratory, shop or farm work, drawing or sight-reading, are counted equivalent to one recitation. If less than twelve recitations or their equivalent per week are specified in any course, studies must be elected to make up the deficiency.

Classification of Students.

The satisfactory completion of the work of a class as attested by daily recitations and examinations is the condition of enrollment in a higher class. Some margin, however, is allowed for making up studies in arrears. But more than six hours per week required for such studies or more than six hours per week omitted from the studies of a given

class prevents enrollment therein, except that in the engineering courses the number in both cases may be as many as eight. No student can be classified as Freshman in any course who has more than six hours per week of unfinished preparatory work.

Special Students.

1. Students are advised to pursue, in all cases in which it is practicable, some one of the regular courses leading to a degree. The number of these courses with the liberal provision for electives allows sufficient play for individual preference in the selection of subjects required for a liberal and well-rounded education.

2. Students who are not candidates for a degree, but who have completed all the studies below the Freshman class, may elect a special course of study under the supervision of the classification committee and with the approval of the professors in charge of the subjects chosen.

3. Persons not less than twenty-one years of age may elect a special course of study under the direction of the faculty, provided they show by examination or otherwise that they are qualified to pursue profitably the studies which they propose to take up.

4. Students in special courses are subject to the same regulations and to the same examinations in the studies pursued as all other undergraduate students.

Examinations.

1. Examinations, chiefly in writing, are held near the end of each term. The grades are determined by combining the values of the daily recitations and of the examinations,

and are divided into four groups, as follows: "Excellent" (E); "Good" (G); "Fair" (F); "Poor" (P). A grade not lower than "Fair" is required for a "pass," which is the equivalent of about 75 per cent. At the end of each term a report is made to the parent or guardian of each student showing his progress, general conduct, etc.

2. If a student has failed in any study, he may nevertheless be allowed to take up the next study in advance, provided he be deemed by the professor in charge of the department to which such study belongs not incompetent to pursue it; but he will be required to pass a satisfactory examination in the study in which he failed, or take it up with the next class.

3. If a student has proved competent to continue his advanced work, but has not completed all the preceding studies in his course, he must resume the latter, and if he be found to be overworked, he will be required to drop a part of his advanced work.

Appointment of Beneficiaries.

Beneficiary appointments entitle the holders to free tuition. Such an appointment may be obtained from the county judge of the county in which the student resides, or from the president on arrival at the University. The total number of beneficiaries allowed to the state is 1,000, a number that is still largely in excess of the number of holders of these appointments.

Expenses.

It is the object of the University to give the best possible education at the lowest possible cost. Tuition is free to all students. A matriculation fee of five dollars is charged all

candidates for admission. The following estimates are taken from the actual expenses of students for the session of 1901-1902.

	Low.	Medium.	Liberal.
Clothes, Including Uniform.....	\$ 20.00	\$ 25.00	\$ 45.00
Board, Laundry, etc.....	95.00	112.00	135.00
Books, Instruments, etc.....	10.00	15.00	15.00
Incidentals.....	15.00	25.00	35.00
Matriculation Fee....	5.00	5.00	5.00
	<hr/> \$145.00	<hr/> \$182.00	<hr/> \$235.00

Fees are payable in advance. Board bills are payable monthly in advance.

A diploma fee of \$5 is charged all graduates. All dues are to be paid or satisfactorily adjusted before diplomas are conferred.

Student Labor.

A large part of the student body work during vacant hours to meet part of their expenses.

The legislature has provided a fund known as the "Student Labor Fund," which provides work for deserving young men who need help to meet their college expenses. Considerable manual labor is necessary to carry on the various departments of the University, and students who desire to work are employed when practicable and paid at the rate of ten cents per hour. The requests for work always exceed the amount of money appropriated and the University makes no promises to furnish employment for wages to all who apply.

Board for Young Men.

Rooms in the University dormitories are free, but occupants provide their furniture, fuel, and lights. Students leaving the University frequently sell their furniture at a

small reduction. If there are not rooms enough for all, preference is given to Arkansas students. An officer of the University is in charge of the building, and the rooms are inspected by the faculty whenever deemed necessary.

Students boarding elsewhere are under the supervision of the president of the University, and are allowed to board only at places approved by him. No student is allowed to change his boarding place without the consent of the president.

Board for Young Women.

Sufficient funds have not yet been secured to provide a dormitory for young women, but all necessary assistance is rendered them in finding homes in private families in the town. Parents, therefore, who send a daughter to the University, should place her under the control of the family with whom she boards, subject to the general supervision of the president of the University.

NOTE.—The Committee on Reception will meet all trains and assist the incoming students in finding eligible boarding places.

Absences and Withdrawals.

Absences from the University during the session are not permitted except for valid reasons. The right of a parent to withdraw his son at any time, without reason assigned, is recognized, but without so withdrawing him, he cannot relieve him of the obligation to attend to his duties at the University. The incidental absences of students during the session are exceedingly disadvantageous, both to themselves and to the University. While, therefore, the president permits them, in cases where propriety or urgent necessity seems to make them unavoidable, it is held to be a duty to inquire into the reasons for which the permission is solicited.

Parents or guardians who wish to withdraw their children or wards from the University should write to the president stating their wishes. No honorable discharge will be given to a student under age who is unable to produce the written application of his parent or guardian for his withdrawal, nor will an honorable discharge be given to a student under censure of any kind, whether for neglect of duty or other cause, even though he may have the consent of his parent or guardian for his withdrawal from the University.

Sale of Ardent Spirits Prohibited.

By an act of the general assembly of the state of Arkansas, approved March 6, 1875, it is unlawful for any person to sell or give away any vinous or ardent spirits within three miles of the University of Arkansas, unless it be prescribed by a regular practicing physician for medicinal purposes.

Literary Societies.

There are three literary societies, the Mathetian, the Garland, and the Periclean. Their meetings, which are held weekly, afford excellent opportunities for improvement in declamation, composition, debate, etc. Renewed interest in this valuable means of culture is shown by the students.

The William Jennings Bryan Prize.

A prize fund of \$250 has been bestowed upon the University through the liberality of Hon. W. J. Bryan, of Nebraska, and a prize named in his honor and consisting of the annual income of this fund will be offered each year, provided productions worthy of its bestowal be presented.

The prize will be awarded for the best essay on some topic relating to the problems of government, and the subjects for competition will be selected in alternate years by

the department of economics and sociology and the department of history. The contest will be open to students who have junior or senior standing, more than half of whose work has been of the grade G, and to special students in the collegiate department who have thirty-two hours' credit of a similar grade.

The subject for the year 1903-1904 will be announced in September, 1903. Further details of the plans of competition may be obtained from the professor of history. The competitive essay must be submitted by the first of May, 1904.

The Johnson Prize.

Professor W. S. Johnson offers a valuable loving cup to be competed for in an oratorical contest open to the members of the three literary societies.

Prize in the Garland Society.

Professor G. A. Cole offers a prize to be competed for by the members of the Garland Society. This prize is for the greatest improvement in debate.

Prize in the Periclean Society.

Professor J. W. Carr offers, in memory of General Albert Pike, a prize to be competed for by the members of the Periclean Society. This prize is for the best recitation of a selection from Shakspeare's works.

OFFICERS OF STUDENT ORGANIZATIONS.

Garland Literary Society.

J. C. Blaylock.....	<i>President.</i>
W. O. Wilson.....	<i>Vice President.</i>
A. H. Beard.....	<i>Secretary.</i>
W. W. Cartwright.....	<i>Treasurer.</i>

Periclean Literary Society.

W. H. Pollard.....	<i>President.</i>
W. H. Ingersoll.....	<i>Vice President.</i>
J. W. Gardner.....	<i>Secretary.</i>
A. S. Howard.....	<i>Treasurer.</i>

Mathetian Literary Society.

A. M. Honnett.....	<i>President.</i>
C. E. Myrick.....	<i>Vice President.</i>
Miss L. Droke.....	<i>Secretary.</i>
E. Hamilton.....	<i>Treasurer.</i>

Oratorical Association.

W. O. Wilson.....	<i>President.</i>
Fred Holt.....	<i>Vice President.</i>
M. L. Cotton.....	<i>Secretary and Treasurer.</i>

Young Men's Christian Association.

S. C. Swearingen.....	<i>President.</i>
J. R. Wilson.....	<i>Vice President.</i>
Roy Legate.....	<i>Secretary.</i>
M. L. Cotton.....	<i>Treasurer.</i>

Senior Class.

B. W. Langford.....	<i>President.</i>
Miss Hattie Melton.....	<i>Vice President.</i>
Miss Madge Bates.....	<i>Secretary.</i>

Junior Class.

Johnson Chapman.....	<i>President.</i>
Fox Wood.....	<i>Vice President.</i>
Miss Josie Droke.....	<i>Secretary.</i>

Sophomore Class.

A. H. Beard.....	<i>President.</i>
Miss Bess Thomas.....	<i>Vice President.</i>
Miss Beulah Williams.....	<i>Secretary.</i>

Freshman Class.

Alcuin Eason.....	<i>President.</i>
Frank Fergus.....	<i>Vice President.</i>
Miss Clifton Reed.....	<i>Secretary.</i>

Athletic Association.

L. B. Bryan.....	<i>President.</i>
Marvin Harris.....	<i>Secretary.</i>

Football Team.

L. B. Bryan.....	<i>Captain.</i>
Abner McGehee.....	<i>Manager.</i>

Baseball Team.

L. B. Bryan.....	<i>Captain.</i>
Eibert Clark.....	<i>Manager.</i>

Tennis Club.

Fay Webster.....	<i>President.</i>
T. Quarles.....	<i>Secretary.</i>

Dormitory Discipline Club.

Roy Milum.....	<i>President.</i>
Abner Beard.....	<i>Secretary.</i>

Track Team.

A. M. Honnett.....	<i>Manager.</i>
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RELIGIOUS EXERCISES.

Religious exercises are held regularly in the University chapel at a given period during each daily session. Students are required to attend.

The churches of Fayetteville cordially welcome the students to their Sunday schools and various meetings for prayer and religious instruction. The denominations represented in the city are Baptist, Presbyterian, Cumberland Presbyterian, Methodist Episcopal, Methodist Episcopal South, Protestant Episcopal, Christian, Roman Catholic, and Union. Many of the students are actively engaged in the work of the different church societies and guilds. The Young Men's Christian Association holds regular meetings, and a commendable interest is shown in its work. Two Bible classes have been organized and weekly recitations are conducted by the officers of the University.

ATHLETIC ASSOCIATION.

The purpose of this organization is to encourage the development of the physical man.

The association as originally formed consisted of the U. of A. Athletic Club, the U. of A. Tennis Club, the U. of A. Baseball Club, and the U. of A. Football Club; and it is further provided that if any other club, organized by the students of the University for the practice of any sport, game, or exercise, not already represented by one of the members of the association, shall make a written application for membership in the association, and the said application shall be approved by the governing body of the association, the petitioning club shall become a member of the association with all the rights and privileges pertaining to such membership.

FACULTY RULES FOR THE GOVERNMENT OF ATHLETICS.

Rule 1. No one shall participate in any sport as a member of a team representing the University unless he be a *bona fide* student doing full work in a regular or special course as defined in the catalogue.

Rule 2. No person shall be admitted to any athletic contest who receives any gift, remuneration, or pay for his services on the college team.

Rule 3. No student shall be permitted to participate in any athletic contest who is found by the faculty to be a delinquent in his studies.

Rule 4. The elections of managers and captains of all athletic teams shall be subject to the approval of the faculty committee on athletics.

Rule 5. Before every athletic contest in which a University team is to be engaged, the captain of such team shall submit to the chairman of the faculty committee on athletics a list of the players eligible under the rules to participate in said contest. It shall be the duty of the captain to exclude all players from the contest except those so certified.

Rule 6. The faculty committee on athletics shall require each candidate for a team to represent the University to subscribe to a statement that he is eligible under the letter and spirit of the rules adopted by the faculty.

Rule 7. No person having been a member of a college athletic team during any year and having been in attendance less than one college half year shall be permitted to play on any athletic team thereafter until he shall have been in attendance six consecutive calendar months.

MILITARY DEPARTMENT.

The head of this department is an officer of the United States army detailed by the war department for duty at the University.

All male collegiate students are required to take the theoretical course, and all male students over fifteen years of age, not physically disabled, are required to take the practical course in military science, the latter including infantry drill, target practice, camping, guard duty, and various other exercises, the course covering the entire period of the student's stay at the University.

The act of congress donating public lands for educational purposes requires that institutions which are the beneficiaries of such donations include military science and tactics in their course of instruction.

The system of practical instruction closely follows that used in the United States army. It contains a course of gymnastic exercises for the development and improvement of the arms, chest, legs, hands, and feet. Besides being excellent physical training, this instruction has many advantages mentally. The necessity of being alert, listening for each word of command, and acting promptly on it, quickens the wit and cultivates the habit of fixing the attention and concentrating the thoughts. In addition to all this, it inculcates in the student a respect for authority and discipline which is equalled by no other system.

The cadets are organized into one battalion, composed of field staff, band, and six companies. The officers and non-commissioned officers are selected from those students who are most proficient in their drill and military studies, and

most exemplary in their deportment, the captains and lieutenants being taken, usually, from the Senior and Junior classes, and sergeants and corporals from the Sophomore and Freshman classes. An office in one of the battalions is one of merit and distinction, and any unbecoming conduct subjects the appointee to reduction to the ranks.

The cadet band, of some twenty pieces, constitutes an interesting feature of the military organization. It receives the best instruction obtainable, practices three hours per week, and takes part in all military ceremonies.

A competitive drill is held annually at the close of the college year, when prizes are awarded for proficiency in this department.

Competition Among the Companies.

At the competitive drill, held in June, 1902, and participated in by five companies of the corps of cadets of the University of Arkansas, Company "E" made the highest score. The following is the roll of the officers, non-commissioned officers, and privates who participated in that contest and were members of the company at that time:

COMPANY "E"

MEMBERS PRESENT AT COMPETITIVE DRILL 1902.

Captain, Baxter, J. W.

Second Lieutenant, Blaylock, J. C. (acting First Lieutenant).

Second Lieutenant, Brewster, H.

First Sergeant, Phillips, C. O.

SERGEANTS

Bickel, A.

Muller, J. F.

Ramsey, C. C.

Womack, J. P.

CORPORALS

Castleberry, W. L.

Kunz, E. H.

McCrary, E. W.

Vaulx, G. W.

PRIVATES

Boles, E. C.	Field, T.	Pollard, W. A.
Borders, J. M.	Foreman, C. D.	Pratt, D. H.
Brown, G. W.	Gardner, O. H.	Revel, J. W.
Cartner, E. C.	Hardin, M. P.	Ross, J. E.
Cleveland, G. W.	Kitchens, B. M.	Smith, H. G.
Conway, W. B.	Little, E. L.	Sadler, W. L.
Crawford, W. R.	Mercer, C. F.	Seamons, P. S.
Dabney, F. M.	Mashburn, E. E.	Trigg, J. W.
Deane, S. E.	Mons, L. A.	Ware, B. L.
Dearing, W. N.	Nordmeyer, C. D.	Yoakman, H. M.

Captain's Competition.

To Captain J. W. Baxter, of Company "E," was awarded the sword for being the best drilled captain.

Individual Competition.

To Sergeant H. P. Jordan, was awarded a gold medal for being the best drilled non-commissioned officer.

To Cadet J. E. Ross was awarded a gold medal for being the best drilled private.

Army Appointments.

The three students of the senior class having the highest grade of merit in this department are reported to the secretary of war, and their names are recorded in the adjutant general's office and published in the Army Register for that year. The president of the United States, in appointing officers from civil life, gives preference to those whose names are so recorded. Cadet officers on graduation are brevetted in the state guard with the rank held by them in the cadet battalion at the date of their graduation, and recommendations of the commandant of cadets as to special military qualifications of the graduates of the military course

are filed in the office of the adjutant general of the state and considered in appointing commissioned officers of the state guard.

A neat uniform of gray cloth, with brass buttons and black trimmings, is required to be worn by all cadets at drill. The uniform, complete, costs about \$15, and with ordinary care will last an entire year.

ORGANIZATION OF THE CORPS OF CADETS FOR THE YEAR 1902-1903.

Captain Lanning Parsons, Eighth Cavalry, U. S. Army, Commandant.

STAFF.

Adjutant, Swearingen, S. C.	Quartermaster, Mitchell, S. A.
Commissary, McGehee, A.	Battalion Adjutant, Brewster, H.
Sergeant-Major, Cotton, M. L.	Quartermaster Sergeant, Ruggles, W. A.
	Color Sergeant, Leverett, E. V.

COMPANY "A"

	Captain, Womack, J. P.
First Lieutenant, Pratt, F. H.	Second Lieutenant, Jordan, G. W.
	First Sergeant, Stafford, A. F.

SERGEANTS

Oakes, G. C.	Beard, A. H.
Jones, C. W.	Dickinson, W. E.

CORPORALS

Cromwell, C. W.	Carter, E. L.
Pratt, D. H.	Boles, E. C.
	Mackey, D. E.

COMPANY "B"

	Captain, Mitchell, B.
First Lieutenant, Wilson, J. R.	Second Lieutenant, Holt, F. W.
	First Sergeant, Bryan, L. B.

SERGEANTS

Ragland, H. S.	Jackson, B. O.
Webster, Fay.	Eason, A. P.

CORPORALS

Foreman, C. D.	Snapp, W. L.
Vanwinkle, C. P.	Wilson, C. P.
	Dickinson, H. J.

COMPANY "C"

Captain, Phillips, C. O.

First Lieutenant, Carothers, N. Second Lieutenant, Longino, J. L.

First Sergeant, Risser, T. S.

SERGEANTS

Berry, F. H.

Stone, B. H.

Croom, C. W.

McCrary, E. W.

CORPORALS

Cochrane, L. H.

Faucette, K. S.

Ingersoll, W. H.

Sengel, J.

Webb, C. W.

COMPANY "D"

Captain, Abercrombie, J. S.

First Lieutenant, Kunz, E. H. Second Lieutenant, Wood, C. F.

First Sergeant, Honnett, A. M.

SERGEANTS

Bloom, J. R.

McGehee, B.

Mullins, G. W.

Walker, J. W.

CORPORALS

Mitchell, L.

McKennon, B. C.

Cheatham, W. R.

Mitchell, R. C.

Reves, C. M.

COMPANY "E"

Captain, Austin, R. L.

First Lieutenant, Van Valkenburg, H. B. Second Lieutenant, Gray, C. W.

First Sergeant, Taylor, R.

SERGEANTS

Chappel, E. W.

Morrow, D. B.

Quarles, T. C.

Milum, R. W.

CORPORALS

Sadler, W. D.

Schicker, E. B.

James, J. J.

Mullins, T. C.

Rowe, R. E.

AGRICULTURAL EXPERIMENT STATION.

R. L. BENNETT, M. S., Director.

R. R. DINWIDDIE, M. S., Pathologist and Bacteriologist.

C. L. NEWMAN, M. S., Agriculturist.

EARNEST WALKER, B. S. A., Horticulturist and Entomologist.

GEORGE B. IRBY, B. A., Assistant in Feeding Experiments.

J. F. MOORE, B. S., Chemist.

The national government established the experiment station as a department of the University in 1887, and maintains it to investigate agricultural problems for the aid of the farmers of the state.

The work of the experiment station is divided into the special lines of agriculture, horticulture and entomology; chemistry, animal and plant diseases; animal production, pomology and farmers' institute work. Specialists are employed in each line, and experiments are made both in the field and laboratory in the improvement of soils, the rotation of crops, diseases of plants and domestic animals, in fertilizers, the value of stock foods, dairying and other matters. Students interested in agricultural subjects are given opportunity to observe the experiments and to acquaint themselves with the work of the station in its various departments; the bulletins are also available for their use. The experiments and their results are published in bulletins, which are sent free to farmers, stock raisers and fruit growers of the state, and to others interested in agriculture.

Those who desire the station bulletins should apply for them to the director of the station, Fayetteville, Ark. One application is sufficient to obtain all future bulletins if desired.

DEGREES.

The following degrees are conferred by the University.
For undergraduate work:

Bachelor of Arts (B. A.).

Bachelor of Science (B. S.).

Bachelor of Civil Engineering (B. C. E.).

Bachelor of Mechanical Engineering (B. M. E.).

Bachelor of Electrical Engineering (B. E. E.).

For graduate work:

- Master of Arts (M. A.).
- Master of Science (M. S.).
- Mechanical Engineer (M. E.).
- Civil Engineer (C. E.).
- Electrical Engineer (E. E.).

All the courses leading to the different bachelor's degrees are based on four years of collegiate work. The B. A. and B. S. courses are designed to give the student liberal culture; while the engineering courses are technical. The B. A. and B. S. courses are almost entirely elective, certain safeguards and restrictions being thrown around the student's choice of electives; the technical courses necessarily consist principally of prescribed work.

For specific and detailed statements of B. A. and B. S. courses, see pages 59 and 60; for civil engineering, see page 94; for mechanical engineering, see page 89; for electrical engineering, see page 98; for normal course, see page 85; for courses leading to graduate degrees, see pages 65 to 101.

COURSES OF STUDY LEADING TO THE B. A. AND B. S. DEGREES.

FRESHMAN.

English.....	*3 Periods.
Mathematics.....	3 Periods.
A Foreign Language..	3 Periods.
Elective..	6 Periods.

SOPHOMORE.

English.....	3 Periods.
The Foreign Language pursued in Freshman Year.....	3 Periods.
Some study pursued in Freshman Year.....	3 Periods.
Elective.....	6 Periods.

*No E.—A period means one recitation per week throughout a college year, or the equivalent in laboratory work.

JUNIOR

Elective.....15 Periods.

SENIOR.

Elective.....15 Periods.

Conditions.

- 1. 60 periods are required for graduation.
- 2. At or before the beginning of the Junior year the student shall elect a major subject, and 24 periods of the 60 required for graduation shall be subject to the approval of the professor in charge of the major subject. Not more than 18 periods may be taken in any subject, and not more than 36 periods in any group.
- 3. Candidates for the B. A. degree shall choose their major subject from group I, II, or III, and shall offer not fewer than 9 periods from each of these groups. Not more than 9 periods may be offered from group IV. In the foreign language pursued in the Freshman year the equivalent of two years' work must be offered for admission.
- 4. Candidates for the B. S. degree shall choose their major subject from group II or IV and shall offer not fewer than 18 periods from one or both of these groups.
- 5. In both courses the elective work of the Freshman and Sophomore years must include at least 3 periods from each of groups II and III.
- 6. In addition to the above requirements, military science and tactics will be required of male students, or whenever they are excused, one period per year in other work. One period per year in music, art, elocution, physical culture, or other work, will be required of female students.

Groups.

- I. English, Latin, Greek, French, German, Spanish, Italian.
- II. Mathematics, Astronomy, Chemistry, Physics, Geology. Biology.
- III. History, Philosophy, Political Science, Economics, Sociology, Pedagogy.
- IV. Mechanical, Civil, and Electrical Engineering, Horticulture, Agriculture.

REQUIREMENTS FOR THE MASTER'S DEGREE.

1. A bachelor's degree from this University or another institution in which the course of study pursued is recognized as fully equivalent.

2. That not less than one year intervene between the conferring of the bachelor's and master's degrees.

3. That a course of study in one major and two minor subjects aggregating, with a thesis, sixteen hours per week be pursued in residence at the University for not less than one year. But graduates of this University may do half their work in absence under the direction of the professors in charge of the subjects chosen, provided that residence at the University during the term preceding final examination for the degree is required.

4. That the major subject covering six hours shall be strictly graduate work, and selected in a department in which all undergraduate work has been previously completed.

5. That the two minor studies aggregating eight hours per week shall be chosen from departments in each of which the candidate has already two years credit, provided that no work credited to the bachelor's degree shall be counted toward the master's degree.

6. A satisfactory thesis in the major subject, the theme of which shall be approved by the head of the department six months before the final examination. For the thesis a credit of two hours shall be given.

7. That the candidate shall hand to the professor in charge of the major subject the thesis on or before the 15th of May. Previous to his final examination the candidate shall be questioned on his thesis by a committee composed of

the professors in charge of the major and minor subjects and a professor of another department to be designated by the faculty.

REQUIREMENTS FOR THE DEGREES OF C. E., M. E., OR E. E.

These courses of study are intended to give additional preparation for those students who have finished an undergraduate course in engineering, for some special line of work to which their previous study has led. The student will have all reasonable liberty in selecting such specialties and will be limited only by certain general requirements. He will be required at the beginning of the year to make up the course which he proposes to follow and to present it to the faculty, approved by the instructors concerned. If accepted, it will be subject to change only by the faculty. In general, it is expected that these courses shall comprise one principal subject based on the course already pursued, and two secondary subjects, one or both of which should be closely related to the principal. The graduate course should amount to not less than fifteen recitation hours per week as counted in undergraduate work.

The subject of a thesis for any of the above degrees must be submitted to the faculty for approval before the middle of the second term.

These degrees will also be given to graduates in civil, mechanical and electrical engineering who have been in successful practice of their profession for three years, and who have submitted a satisfactory thesis on a subject approved by the faculty.

Charges. Graduate students pay \$10 for matriculation and registration, \$10 tuition (non-residents, \$5) at the beginning of each session, and \$10 in advance for the final examination. Students who fail to comply with any of these requirements, or who do not each year complete the equivalent of two terms' work in one subject, will be dropped from the rolls. Should such students desire to resume their studies, they must pay for matriculation and registration, as if beginning for the first time. The diploma fee is \$5 in advance in each case.

Graduates attending only undergraduate classes pay the same fee as undergraduates.

Non-resident students have such assistance and instruction in their studies as can be conveniently given by correspondence.

HONORS.

Students who have attained grade "E" in work aggregating fifty hours per week (counted on the basis of a four years' course) are granted degrees "with special distinction."

Students who have attained grade "E" in work aggregating thirty-two hours per week, or grade "E" or "G" in work aggregating fifty hours per week, are granted degrees "with distinction."

TEACHERS' NON-RESIDENT COURSES.

The University offers special opportunities to all teachers in Arkansas. It will admit them to its regular examinations for admission to the Freshman class, or will send the examination questions to county examiners, who will submit them to teachers under the usual rules, and return

answers to the University. Teachers who pass the required entrance examinations may then matriculate and enter upon non-resident courses of study under the direction of the University professors; and, upon completion of one term's work in any branch, they will be examined upon said work and credited with it, if it comes up to the University standard.

After finishing three-fourths of the course for a bachelor's degree, such teacher-students may graduate by completing the course as regular resident students.

Non-resident study is pursued under disadvantages, and none but energetic and methodical persons, who are willing to practice much self-denial, can succeed in such work. Such courses of study are in many respects less thorough than study under regular instruction at the University. Yet thousands of persons who cannot attend college regularly are thus educating themselves; and the self-reliant habits of study and investigation acquired by successful work of this kind are of untold value.

Teachers accepting this offer must obtain not less than two credits (two subjects passed for one term, or one subject for two terms), each year; else their names will be dropped from the rolls. Teachers whose vacation occurs during the session of the University may supplement their non-resident study by attending the regular classes.

*DESCRIPTION OF COURSES.

ANCIENT LANGUAGES.

J. C. FUTRALL, Professor.

Owing to the limited force of the department it was found necessary in 1902-1903 to omit one course in Greek and one in Latin. It is hoped that it will be possible in 1903-1904 to give all the courses offered. During the past year Associate Professor Dunn has had charge of the classes in Greek 1 and 2.

Latin.

1. CICERO'S ORATIONS AND VIRGIL (3)—An accurate knowledge of the Latin forms is insisted upon; Bennett's Latin Prose Composition throughout the year. *For Freshmen.*

2. CICERO AND LIVY (3)—Cicero's de Amicitia et de Senectute; Livy, Book I or II. Systematic study of the grammar; exercises in prose composition, based chiefly upon the authors read in class; sight reading; Roman literature. *For Sophomores.*

3a. PROSE COMPOSITION (1)—The translation of connected passages of idiomatic English into idiomatic Latin. *Prerequisite: Course 2.*

4. HORACE AND CICERO (2)—Horace, Odes and Epodes; Cicero's Letters; parallel and sight reading; the metres of Horace. *Prerequisite: Course 2.*

5. ROMAN POETS (3)—Readings will be taken from Plautus, Terence, Catullus, Horace and others, and the attention of the students will be directed rather to the literary side of the authors

*The number to the left of the description of a course is the number of the course; the number to the right is the number of hours per week that the course is given. In general two hours of laboratory work are considered as the equivalent of one hour of recitation. Thus a course that has two hours per week of recitation work and two hours of laboratory work is a three hour course. Unless the contrary is stated in the description of a course, all courses run throughout the year.

U. of A.—3.

read than to grammatical and syntactical peculiarities. Course 5 may be taken twice and counted towards a degree, as the readings will be changed in successive years. *Prerequisite: Courses 3a and 4.*

Text-books: Bennett's and Gildersleeve's Grammars; Wilkin's Primer of Roman Literature; Cruttwell's Roman Literature. Any approved edition of the Latin authors may be used, except when certain editions are prescribed. Lexicons: Harper, Lewis, White.

Greek.

1. ELEMENTARY COURSE (3)—White's Beginner's Greek Book, with selections for reading. A thorough mastery of the forms and constructions given in this book is required. *For Freshmen.*

2. XENOPHON AND LYSIAS (4)—This course is intended to familiarize the student with all the ordinary Attic forms and constructions; frequent exercises in oral and written translation of English into Greek, based upon the text read, are given, and some practice in sight reading; Goodwin's Grammar. *For Sophomores.*

3. HOMER AND PLATO (3)—Systematic study of the grammar; prose composition; Greek literature; sight reading. *Prerequisite: Course 2.*

4. THUCYDIDES AND THE DRAMA (3)—This course will be conducted on the same plan as Latin 5. *Prerequisite: Course 3.*

Text-books: Goodwin's Revised Greek Grammar; Goodwin's Greek Moods and Tenses; Pearson's Prose Composition; Higley's Exercises in Greek Composition. Any approved edition of the Greek authors may be used, except when certain editions are prescribed. Liddell and Scott's Lexicons are recommended.

ENGLISH AND MODERN LANGUAGES.

J. W. CARR, Professor.

E. F. SHANNON, Associate Professor.

MISS H. B. DAVIES, Adjunct Professor.

English.

1. ELEMENTARY COMPOSITION (3)—A. S. Hill's Principles of Rhetoric (revised and enlarged edition), Matthews's Introduction to American Literature, Halleck's History of English Literature.

Recitations, class-room themes and other written exercises, memorizing of poetry, and assigned reading. The class will meet once a week for instruction in the history of American and English literature. For writing and rewriting themes and for recitations in rhetoric and poetry, the class will be divided into sections, meeting twice a week. *Required of all Freshmen.*

ASSOCIATE PROFESSOR SHANNON.

ADJUNCT PROFESSOR DAVIES.

2. ADVANCED COMPOSITION (3)—Genung's Working Principles of Rhetoric and Moody & Lovett's History of English Literature. Recitations, lectures, short class-room themes, long fortnightly themes, memorizing of poetry, and assigned reading. The class will meet once a week for recitations and lectures on the history of English literature. For writing and rewriting short themes and for recitations in rhetoric and poetry, the class will be divided into sections, meeting twice a week. *Required of all Sophomores in the B. A. and B. S. courses. Elective for all others who have completed English 1.*

ASSOCIATE PROFESSOR SHANNON.

ADJUNCT PROFESSOR DAVIES.

4. SHAKSPERE (2)—A limited number of plays, chosen to illustrate the successive periods, will be carefully studied. The course will deal also with Shakspeare's language, his versification, the construction of his dramas, and the theory of dramatic poetry. *Prerequisite: English 2.*

PROFESSOR CARR.

5. OLD AND MIDDLE ENGLISH (2)—An elementary course in the language and literature of the Anglo-Saxon and Middle English periods. *Prerequisites: English 1 and German 1. Omitted in 1903-1904.*

PROFESSOR CARR.

6a. ENGLISH LITERATURE OF THE SIXTEENTH CENTURY (2)—Special attention will be paid to the period beginning with Tottel's Miscellany, and ending with the death of Spenser (1557-1599). *Prerequisite: English 2. Omitted in 1903-1904.*

7a. ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (2)—English literature from the death of Spenser to the death of Dryden (1599-1700). *Prerequisite: English 2.*

ASSOCIATE PROFESSOR SHANNON.

8. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY (2)—English literature from the death of Dryden to the publication of the Lyrical Ballads (1700-1798). *Prerequisite: English 2. Omitted in 1903-1904.*

ASSOCIATE PROFESSOR SHANNON.

9. ENGLISH LITERATURE OF THE NINETEENTH CENTURY (2)—English literature from the publication of the Lyrical Ballads to the death of Queen Victoria (1798-1901). *Prerequisite: English 8, unless English 9 and either 4 or 7a are taken simultaneously.*

ADJUNCT PROFESSOR DAVIES.

NOTE.—English 4, 6a, 8 and 5, 7a, 9 will be given in alternate years, so that students who wish may cover the whole field of English literature.

German.

1. ELEMENTARY COURSE (3)—Thomas's Grammar, Guerber's Märchen und Erzählungen, Wesselhoeft's German Composition; constant practice in pronunciation; translation of 200 pages of easy German; sight reading; oral exercises; assigned reading.

ASSOCIATE PROFESSOR SHANNON.

2. GERMAN PROSE AND POETRY (3)—Selections from Riehl, Freytag, Heine, Lessing, Goethe, Schiller, and different lyric poets; Poll's German Composition; translation from German into English, and from English into German. *Prerequisite: German 1.*

PROFESSOR CARR.

3a. HISTORY OF GERMAN LITERATURE (3)—Recitations; reading of works representative of different epochs; written reports. *Prerequisite: German 2. Omitted in 1903-1904.*

PROFESSOR CARR.

4a. GERMAN DRAMA OF THE CLASSIC PERIOD (3)—Selected works of Lessing, Goethe, and Schiller. *Prerequisite: German 2.*

PROFESSOR CARR

5a. PRACTICE IN SPEAKING AND WRITING GERMAN (2)—Vos's Materials for German Conversation. *Prerequisite: German 1.*

PROFESSOR CARR.

6a. MIDDLE HIGH GERMAN (2)—*Prerequisite: German 3a or 4a. Omitted in 1903-1904.*

PROFESSOR CARR.

NOTE.—German 4a, 5a and 3a, 6a will be given in alternate years.

Advanced students of German may elect one of the following two-hour courses: Gothic, Old High German, or Old Saxon. Such students are advised to elect English 5, if they have not studied Anglo-Saxon.

French.

1. ELEMENTARY COURSE (3)—Bevier's Grammar; Kuhns's French Reading for Beginners, supplemented by easy texts; composition and sight reading. This course is intended to enable the student to read easy French prose at sight.

ADJUNCT PROFESSOR DAVIES.

2. NINETEENTH CENTURY LITERATURE (3)—Representative works of Balzac, Coppee, Daudet, Dumas fils, Erckmann-Chatrion, Victor Hugo, Mérimée, and lyric poets; composition; reading at sight; assigned reading. *Prerequisite: French 1.*

ADJUNCT PROFESSOR DAVIES.

4. HISTORY OF FRENCH LITERATURE (3)—Recitations; reading of works representative of different epochs; written reports. Special attention will be paid to the classic period of the seventeenth century. *Prerequisite: French 2. Omitted in 1903-1904.*

PROFESSOR CARR.

5a. EIGHTEENTH CENTURY LITERATURE (3)—Selected works of Lesage, J. B. Rousseau, Montesquieu, Voltaire, J. J. Rousseau, Bernardin de St. Pierre, Diderot, D'Alembert, Buffon, Abbé Prévost, Marivaux, Beaumarchais, La Harpe, André Chénier. *Prerequisite: French 2.*

PROFESSOR CARR.

6. OLD FRENCH (2)—*Omitted in 1903-1904.*

PROFESSOR CARR.

Spanish.

1. ELEMENTARY COURSE (3)—Ramsey's Grammar; selected texts; composition; reading at sight.

PROFESSOR CARR.

2. ADVANCED COURSE (3)—Galdós, Marianela; Valdés, José; Estébanez, Un Drama Nuevo; Caballero, La Familia de Alvareda; Hills, Bardos Cubanos; Ford, Spanish Anthology; selections from Don Quixote; H. B. Clarke's History of Spanish Literature; lectures; composition; assigned reading. *Prerequisite: Spanish 1. Omitted in 1903-1904.*

PROFESSOR CARR.

NOTE.—French 4 and 5a will be given in alternate years. French 6 is open only to advanced students.

MATHEMATICS AND ASTRONOMY.

GEO. W. DROKE, Professor.

B. J. DUNN, Associate Professor.

Mathematics.

1. (a) SOLID GEOMETRY (*first term*) (3)—Beman and Smith's New Plane and Solid Geometry.

(b) PLANE TRIGONOMETRY (*second term*) (3)—Lyman and Goddard's Trigonometry. *Required of all Freshmen.*

2. ALGEBRA (2)—Fisher and Schwatt's Higher Algebra. *Required of all Freshmen engineers, elective in other courses.*

3. ALGEBRA, CONIC SECTIONS (3)—*Sophomore elective in the B. S. and B. A. Courses.*

4. DETERMINANTS, ANALYTIC GEOMETRY (3)—Tanner and Allen's Analytic Geometry. *Required of Sophomore engineers, elective in other courses.*

5. ALGEBRA (*continuation of Course 2*) SPHERICAL TRIGONOMETRY, CALCULUS (2)—*Required of Sophomore engineers, elective in other courses.*

5a. ANALYTIC GEOMETRY (*continuation of Course 3*) (2)—*Junior elective in the B. S. and B. A. Courses.*

6. DIFFERENTIAL AND INTEGRAL CALCULUS (3)—Osborne's Calculus. *Required of Junior engineers, elective for Juniors and Seniors in other courses.*

7a. PLANE AND SPHERICAL TRIGONOMETRY (*continuation of Course 1 b*), AND THEORY OF EQUATIONS (2)—*Sophomore elective.*

8. SPHERICAL TRIGONOMETRY, THEORY OF EQUATIONS, DETERMINANTS (2)—*Junior and Senior elective.*

9. ANALYTIC GEOMETRY OF THREE DIMENSIONS, AND DIFFERENTIAL EQUATIONS (3)—Books of reference: C. Smith's and Frost's Solid Geometry, Salmon's Geometry of Three Dimensions. *Senior elective.*

NOTE.--Those who desire to make Mathematics their major subject may select any one of the following groups:

- (A) Math. 1 and 2 in the Freshman Year.
Math. 4 and 5 in the Sophomore Year.
Math. 6 and 8 in the Junior Year.
Math. 9 in the Senior Year.
- (B) Math. 1 in the Freshman Year.
Math. 3, or 3 and 7*a* in the Sophomore Year.
Math. 5*a* and 6 in the Junior Year.
Math. 9, or 8 and 9 in the Senior Year.
- (C) Math. 1 in the Freshman Year.
Math. 3, or 3 and 7*a* in the Sophomore Year.
Math. 5*a* in the Junior Year.
Math. 6, or 6 and 8 in the Senior Year.

Astronomy.

13a. DESCRIPTIVE ASTRONOMY, LECTURES AND RECITATIONS (*first term*) (2)

14a. SPHERICAL ASTRONOMY (*second term*) (2)—The class in Astronomy has the use of a four-inch telescope, sextant, celestial globe, and other simple instruments. The "laboratory method" of instruction is followed as far as practicable.

HISTORY AND POLITICAL SCIENCE.

J. H. REYNOLDS, Professor.

2. (a) MEDIAEVAL HISTORY (*first term*) (3)—This course is designed to give the student a knowledge of the essential contributions of the ancient world to history, of the reorganization of German society upon the basis of Græco-Roman civilization, and of the rise of the modern States.

(b) MODERN HISTORY TO 1795 (*second term*) (3)—Beginning where course (a) leaves off, the class will study the great world movements of modern times, such as the reformation, religious wars, absolutism, the struggle for constitutional government in England, and the contest for supremacy on the high seas. Should be preceded by course (a). Text-books: Schwill's Modern Europe and Matthews's French Revolution. *For Freshmen.*

10. THE NINETEENTH CENTURY (1)—Era of Napoleon, the democratic movements of the century, their constitutional products, and the unification of Italy and Germany will be the subjects emphasized. Should be preceded by course 2. *For Sophomores.*

3a. (a) THE COLONIES (*first term*) (3)—The planting and the growth of English institutions in America; the development of the Federal idea; our breach with England; and the making of our Federal constitution. Largely a library course; charters and constitutional documents as well as the best secondary sources will be studied.

(b) THE FEDERAL PERIOD TO 1875 (*second term*) (3)—The constitutional and political history of the United States will be studied from the organization of the government to the close of reconstruction, emphasizing the growth of political parties, the contest between Federal authority and states' rights, the slavery controversy, and the constitutional results of the civil war and reconstruction. Method of work the same as in course (a).

5a. (a) EARLY ENGLISH INSTITUTIONS (*first term*) (3)—The origin and growth of the more important English institutions, such as the Kingship, Parliament, Privy Council, common law courts, jury system and local government. Period covered from 450 to 1300. While the student should have Montgomery's History of England, Feildon's Constitutional History, and Colby's Select Documents, yet free use will be made of both original and secondary sources in the library.

(b) CONSTITUTIONAL HISTORY OF ENGLAND IN MODERN TIMES (*second term*) (3)—After a brief survey of the Tudor period, the class will study more in detail the struggle for constitutional government in the Stuart period, the history of the cabinet, and the growth of parliamentary government. For method and text-book see course (a). *Offered in 1904-1905.*

4a. (a) AMERICAN STATE GOVERNMENTS (*first term*) (2)—A study of the place of the state in our Federal system, of the structure and workings of American state governments as they exist to-day, and some of the practical problems now before the states. Text-book: Fiske's Civil Government and the constitutions themselves.

(b) MUNICIPAL GOVERNMENT (*second term*) (2)—While the government of our cities is coming to sustain a most vital relation to the public welfare, the American city is notoriously ill-governed. This course will offer an opportunity to study our experience in municipal government, the structure and working operation of typical city governments, and some special municipal problems.

6a. (a) NATIONAL GOVERNMENTS (*first term*) (3)—A study and comparison of the structure and powers of the national governments of England, United States, France, Germany and Switzerland. Special emphasis will be given to the constitutional law of our Federal government. Text-book: Burgess's Political Science and Constitutional Law and the constitutions themselves.

(b) INTERNATIONAL AND PARLIAMENTARY LAW (*second term*) (3)—A brief sketch of the history of International Law and a study of the principles now considered binding on civilized nations. Some three weeks will be devoted to Parliamentary Law. Text-book: Davis's Elements of International Law.

ECONOMICS AND SOCIOLOGY.

H. A. MILLIS, Professor.

The courses offered in this department are designed to afford such instruction as will be advantageous to those who intend to enter public life, or those callings which will bring them closely in touch with the activities of citizenship. Course 1 is required before more advanced courses in this department are taken.

1. PRINCIPLES OF ECONOMICS (*both terms*) (3)—Recitations and prescribed readings. Text-book: Bullock, Introduction to the Study of Economics.

*2a. INDUSTRIAL HISTORY OF ENGLAND (*first term*) (2)—The several stages in the industrial evolution of England will be studied, special attention being given to the Industrial Revolution and to the modern capitalistic system. Lectures, recitations, prescribed readings. Text-book: Warner, Landmarks in English Industrial History.

*Offered in alternate years.

*12. LABOR PROBLEM (*second term*) (2)—The course will cover the modern industrial system, wage system, collective bargaining, history and main features of trade unionism, strikes, boycotts and lockouts, factory legislation, arbitration and conciliation, workingmen's insurance, profit-sharing, coöperation and socialism. Lectures, prescribed readings and special reports.

3. MONEY (*first part of term*) (3)—The principles of Money and the history of Monetary Systems are considered.

4. BANKING (*latter part of first term*) (3)—The principles of Banking and the history of Banking Systems. Lectures, recitations, reports and readings. Text-book: Dunbar, Chapters in the Theory and History of Banking.

8. TRANSPORTATION, ITS HISTORY AND PROBLEMS (*second term*) (3)—The economic aspects of water transportation, the great lakes, canal systems, and the Mississippi; the evolution of the railroad system, railroad geography, rate-making, State *versus* private ownership, methods of government control, railroad finances, etc. Lectures, prescribed readings, and use of Railroad Commission Reports. Text-book: Hadley, Railroad Transportation.

*13. INDUSTRIAL HISTORY OF THE UNITED STATES (*first term*) (2)—The industrial development of the United States from colonial times will be traced, special attention being given to modern industrial processes and to present resources. Lectures, recitations, special reports, prescribed readings. Text-book: Wright, Industrial Evolution of the United States.

*5. TARIFF HISTORY AND PROBLEMS (*second term*) (2)—The theory of protection and free trade, the tariff history of the United States, and the tariff systems of leading countries engaging in trade with the United States will be dealt with. Text-book: Taussig, Tariff History of the United States. This will be supplemented by lectures, assigned readings, and use of public documents.

7. PUBLIC FINANCE (*first term*) (3)—Principles and history of taxation, management of public debts, consideration of governmental activities, etc. Text-book: Plehn, Introduction to Public Finance. Lectures, readings and use of government documents.

*Offered in alternate years.

14. FINANCIAL HISTORY OF THE UNITED STATES (*second term*) (3)—An investigation of the expenditures, revenues, debts and financial administration of the Federal government. The tariff history, the public land policy, the United States banks, and like topics will be studied. Lectures and assigned readings.

*6. HISTORY OF ECONOMIC THOUGHT (*first term*) (2)—An examination of the development of Political Economy from the time of Adam Smith. Lectures, reports and prescribed readings. For reference: Ingram, History of Political Economy.

*11. COMMERCIAL GEOGRAPHY (*second term*) (2)—An investigation of the commercial resources and industries of the leading countries, of commercial routes, transportation systems, tariffs, etc. Lectures, recitations, reports, prescribed readings. Text-book: Adams, Commercial Geography.

*9. PRINCIPLES OF SOCIOLOGY (*first term*) (2)—This course considers the elements and conditions of social growth and progress. Recitations, lectures, and reading of assigned chapters in Spencer's Principles of Sociology and in Gidding's Principles of Sociology. Text-book: Fairbank's Introduction to Sociology.

*10. SOCIAL PATHOLOGY (*second term*) (2)—A study of the dependent, defective and delinquent classes, their problems and treatment. Recitations, prescribed readings, special reports, supplemented by lectures. Text-book: Henderson, Dependent, Defective and Delinquent Classes.

CH MISTRY AND PHYSICS.

A. M. MUCKENFUSS, Professor.

L. H. ROSE, Associate Professor.

Chemistry.

1. ELEMENTARY CHEMISTRY (3)—Class work twice a week; parallel work in the laboratory one afternoon throughout the year. *Required in engineering and other scientific courses.*

PROFESSOR MUCKENFUSS.

*Offered in alternate years.

2a. GENERAL INORGANIC CHEMISTRY (3) or (4)—Lectures and recitations twice a week; laboratory work one or two afternoons throughout the year. *Prerequisite for all the following courses in chemistry.*

PROFESSOR MUCKENFUSS.

Students may begin the subject in either of the courses mentioned above.

3. QUALITATIVE ANALYSIS (3) or (4)—(a) Recitations twice per week, first term. (b) Laboratory work two afternoons per week for engineering students, three afternoons for scientific students, throughout the year. The object is for the student to understand the methods of separation as well as to follow them correctly. A large number of substances, both simple and complex, are analyzed.

PROFESSOR MUCKENFUSS.

4a. ORGANIC CHEMISTRY (4)—Lectures and recitations twice per week; laboratory work two afternoons throughout the year.

PROFESSOR MUCKENFUSS.

Courses 3 and 4a constitute the second year of chemistry. Either may be taken alone. Students who wish to select chemistry as their major are advised to complete both courses.

5. QUANTITATIVE ANALYSIS—Laboratory work 6 to 16 hours per week. Practice in the gravimetric and volumetric analysis. This is a necessary third year for those who would become chemists. It is naturally followed in the Senior year by courses 6, 11, 13, or by another year in course 5, in which some special line, such as iron and steel analysis, is pursued.

PROFESSOR MUCKENFUSS.

6. AGRICULTURAL AND FOOD ANALYSIS (4)—This course should be preceded by at least one term of courses 3 and 5.

PROFESSOR MUCKENFUSS.

7. INDUSTRIAL CHEMISTRY (3)—Three times per week throughout the year. A study of industries having chemical principles for a basis.

ASSOCIATE PROFESSOR ROSE.

8. PHYSICAL AND THEORETICAL CHEMISTRY (3)—The former consists chiefly of laboratory work, such as, determination of molecular weights, thermochemical work, measurement of electro-

lytic conductivity, practice with polariscope and refractometer. The latter is entirely class work. One or two terms.

ASSOCIATE PROFESSOR ROSE.

9. ASSAYING (2) or (3)—Laboratory work for one term, consisting of preparing and testing reagents, making cupels, and assaying samples of furnace and mill products.

ASSOCIATE PROFESSOR ROSE.

10. TOXICOLOGY (1)—Laboratory work once a week throughout the year. A working knowledge of qualitative analysis is a prerequisite.

PROFESSOR MUCKENFUSS.

11. GAS ANALYSIS (1)—Laboratory work once a week throughout the year. This course is practically designed for technical students.

PROFESSOR MUCKENFUSS.

12. METALLURGY (3)—Three times a week for one term.

ASSOCIATE PROFESSOR ROSE.

13. WATER ANALYSIS (3)—Laboratory work one term for civil engineering students.

PROFESSOR MUCKENFUSS.

14. ELECTRO-CHEMISTRY (3)—Recitations twice and laboratory work once per week, second term. For Junior electrical engineering students.

ASSOCIATE PROFESSOR ROSE.

Physics.

1. ELEMENTARY PHYSICS (3)—Recitations twice, and laboratory work, once per week throughout the year. Recitations are fully illustrated by experiments. *Required in engineering and other scientific courses.*

ASSOCIATE PROFESSOR ROSE.

2. ELECTRICITY AND MAGNETISM (3)—Lectures twice, and laboratory work, once per week throughout the year. This course is necessary, whether one would become an electrical engineer or a specialist in physics.

ASSOCIATE PROFESSOR ROSE.

3a. GENERAL PHYSICS (3) or (4)—Lectures twice per week; *prerequisite, the calculus.* Optional laboratory work in heat and light twice per week throughout the year.

ASSOCIATE PROFESSOR ROSE.

DEPARTMENT OF BIOLOGY.

F. W. PICKEL, Professor.

The courses of this department have been arranged to meet the needs of three classes of students: those who desire to become acquainted with the fundamental principles of plant and animal life; those who contemplate the study of medicine; and those wishing to go more thoroughly into the study of biological science to obtain the technical training necessary for subsequent investigation or for teaching.

1. GENERAL BIOLOGY (3)—This course serves as an introduction to the whole field of biological science, and should be a part of the general education of every student. Types of plants and animals will be dissected and studied in the laboratory and the essential truths of biology emphasized. One recitation and laboratory work, four hours per week throughout the year. Text-book: Parker's Lessons in Biology.

2. BOTANY (3)—In this course special attention is paid to the morphology, physiology and ecology of plants, but due attention is given, in the second term, to the systematic classification of plants, and each student is required to collect and write a technical description of a certain number of plants. The geological history of plants and the origin of cultivated plants will be briefly considered. Field work, when practicable, will form an important feature of the course. Recitations and laboratory work six hours per week throughout the year. Text-books: Barnes's Plant Life; Chapman's Flora of Southern States.

3. BOTANY—This course will consist of lectures, assigned readings, and laboratory work in morphology, physiology, or taxonomy. Work and hours arranged after consultation with the head of the department. *Prerequisite: Botany 2.*

4. BACTERIOLOGY (4)—An introduction to the subject and instruction in laboratory technique—the preparation of nutrient media, the characteristics of bacteria, the kind and effects,

isolating and keeping pure cultures, microscopical preparations, the study of bacteria found in soil, in water, and in air; study of pathogenic forms and their relation to disease. One lecture and six hours' laboratory work, first term. *Prerequisite: Chemistry 1, Biology 1.*

5. GENERAL ZOOLOGY (3)—A general course in Invertebrate and Vertebrate Morphology. Attention will be given to the fundamental facts of zoological science, and the laws of development, heredity, variation, correlation, etc. In connection with the laboratory work in the course instruction will be given to such students as desire to learn methods of preparing bird skins and mammal skins for laboratory and museum specimens. Field work, when practicable, will form an important feature of the course. One recitation and four hours' laboratory work per week throughout the year. Text-books: Hertwig's *Essentials of Zoology*; Kingsley's *Comparative Anatomy*. Reference books: McMurrich's *Invertebrate Zoology*; Text-book of *Zoology*, Parker and Haswell; Weidersheim's *Comparative Anatomy of Vertebrates*.

6. ENTOMOLOGY (4)—Lectures relating to the metamorphosis, anatomy, physiology, and habits of insects. Special importance will be given to beneficial and injurious insects, with remedies for the latter. Laboratory work will consist in the study of typical forms with the aid of the guide. This will be followed with determination of families and practical studies of life histories of insects, and with methods of collecting, breeding, preserving specimens. Two lectures and four hours' laboratory work per week. Text-books: Comstock's *Laboratory Guide*; Harris's *Insects Injurious to Vegetation*.

7. MAMMALIAN ANATOMY (5)—This course is offered to students intending to study medicine, but is open to any student who has completed course 1 in Biology. It includes a thorough dissection of one of the higher mammals, *e. g.*, the dog, cat, or rabbit; a short course of instruction in histological and embryological methods of technique to acquaint the student with the principles of Histology and Embryology. Two lectures and six hours' laboratory work per week throughout the year. Reference books: Gray's *Human Anatomy*; Reynold's *The Vertebrate Skeleton*; Marshall's *Embryology*; Stohr's *Histology*.

8. **PHYSIOLOGY (4)**—The physiology of foods, digestion, and nutrition; the blood, circulation, and respiratory mechanism; the excretion, especially analysis of urine; functions of brain and spinal cord; physiology of nerve and muscle. Two lectures and four hours' laboratory work a week, second term. *Prerequisite: Chemistry 1; Elementary Physiology.*

9. **NATURE STUDY (1)**—A special course in Nature Study, its aim, method, etc., and systematic science teaching will be offered to students who expect to teach. One lecture per week throughout the year.

GEOLOGY AND MINING.*

A. H. PURDUE, Professor.

1. **PHYSIOGRAPHIC GEOLOGY (3)**—(a) Recitations three times a week on the origin of topographic features, with special attention to the development of streams and stream features, followed by (b) a detailed study of the physiography of the United States. Text-books: Russell's *Rivers of North America* and Geikie's *Earth Sculpture*, with collateral readings. (This course will probably not be given in 1903-1904.)

2. **GENERAL GEOLOGY AND CONTINENTAL EVOLUTION (3)**—(a) Structural and Dynamic Geology. Recitations and lectures three times a week. Text: Scott's *Introduction to Geology*, with outside reading.

(b) Continental Evolution. Lectures, with collateral reading, during a part of the second term, on the Evolution of the North American Continent.

3. **PRACTICAL GEOLOGY (3)**—Field and laboratory work nine hours a week throughout the year, with the construction of geologic maps and sections, topographic maps, and relief maps.

4. **PALEONTOLOGY (3)**—Laboratory work six hours a week throughout the year, on determination of fossil organisms.

5. **CRYSTALLOGRAPHY AND MINERALOGY (3)**—(a) Lectures and recitations three hours a week during the first six weeks on the elements of Geometric Crystallography.

*The course in mining will be announced, and the instructor appointed later.

(b) Laboratory work (two hours) three times a week following course (a) and extending through the year. Determination of minerals before the blowpipe, and in the wet way. Text: *Determinative Mineralogy*, Brush. *Required of Seniors in civil engineering.*

6. FIELD AND SPECIAL COURSES (3)—Students electing Geology as a major will be expected to spend sufficient time in the field for the careful, independent investigation of local geological problems, and to present acceptable theses on the work done. Special courses will be arranged for those who wish to elect work in addition to what is required.

7. ECONOMIC GEOLOGY (3)—Lectures, with collateral reading, on the formation, modes of occurrence, uses, and geographic distribution of economic geologic products. Second term. Open to all students who have had Geology 2.

DEPARTMENT OF PHILOSOPHY AND PEDAGOGY.

W. S. JOHNSON, Professor.

1. DESCRIPTIVE PSYCHOLOGY (*first term*) (3)—This course serves as an introduction to both philosophy and pedagogy. The course is open to all students in the collegiate department. The different functions of the mind are studied from the physiological and experimental standpoint. It is intended to make it as concrete as possible by a study of the nervous system, and by experiments to demonstrate the action and interaction between the mind and nervous tissue. Owing to its pedagogical value students are advised to take this course as early as possible in their college course. Text-books: Buell's "Essentials of Psychology." James's "Briefer Course in Psychology."

2. ART OF TEACHING AND SCHOOL MANAGEMENT WITH SPECIAL REFERENCE TO PRIMARY SCHOOLS (1)—This course serves as a general introduction to teaching and school management. It is open to all students of the University—both preparatory and collegiate. It is especially designed for those students who teach during the vacation, or who expect to teach for only a short time.

The course will consist entirely of lectures and round-table discussions. Students may attend these lectures without enrolling as members of the class. Text-books: Page's "Theory and Practice of Teaching," Baldwin's "Art of School Management."

3. METHODS (2)—The methods discussed are based on psychology. The broader generalizations of the science of education are studied, and the student learns to apply the principles of psychology to the work of teaching. This is a very practical course. During the first term the "Methods of the Recitation" is studied, the "General Methods," during the second term. Students may enter the second term. Text-books: McMurry's "General Methods" and "Method of the Recitation."

4. HISTORY OF EDUCATION (*second term*) (3)—This course includes a study of the educational systems and methods of ancient, mediæval, and modern nations; lives and theories of educational reformers; growth of education in the United States and in the state of Arkansas. Text-books: Boone's "History of Education in the United States," Compayré's "History of Pedagogy," Lives of Pestalozzi and Horace Mann, Arkansas School Law.

5. EDUCATIONAL PSYCHOLOGY (*first term*) (3)—This course applies the principles of psychology to the schoolroom. It deals with the child as an educable being. It treats in minute detail the sources of interest; the characteristics of imitation, heredity, attention, memory, imagination, emotions, will, and character. Recitations, lectures, assigned readings and reports. Text-books: Dexter and Gorlic's "Psychology for the Schoolroom," Hinsdale's "Art of Study." *Prerequisite: Course 1.*

6. CHILD STUDY (*second term*) (3)—In this course it is intended to make a practical application of the principles studied in course 5 by studying the characteristics of children as seen in the schoolroom, at home, and on the playground. Some one child is to be studied, and a thesis is to be presented on these observations. Lectures, assigned readings, reports and round-table discussions. No special text. Topics will be assigned and references made to pedagogical library. *Prerequisite: Course 5.*

7. SCHOOL ADMINISTRATION AND SUPERVISION (*first term*) (2)—This course discusses matters of practical school organization and management, as observed in cities, towns and country districts.

Such subjects are discussed as school revenues and expenditures, school sanitation and decoration, course of study, duties of superintendent and teachers in relation to school and community, philosophy of government, etc. Text-books: King's "School Interests and Duties," Spencer's "Education," Report of Committee of Fifteen, School Sanitation and Decoration. *Prerequisite: Course 3.*

8. PRIMARY METHODS (*second term*) (2)—This course consists of lectures and round-table discussions on methods of teaching the common school branches. It is intended to suggest practical methods of presenting these subjects to children. Plans for teaching some topic in each of the common school branches will be required. Practice teaching will also be required. Text-books: McMurry's "Special Methods in Geography," etc.; Roark's "Methods of Education." *Prerequisite: Course 3.*

9. PHYSIOLOGICAL AND EXPERIMENTAL PSYCHOLOGY (2)—A general course illustrated by physiological and experimental demonstrations. One period will be given to discussions and recitation. The other period will consist of two hours' laboratory work in experimentation. The giving of this course will depend on whether or not the psychological laboratory is equipped by the opening of the first term of 1903-1904. Text-books: Ladd's "Outlines of Physiological Psychology," Scripture's "New Psychology."

10. ABNORMAL PSYCHOLOGY (1)—This course is designed to supplement course 1 and to discuss especially the physiological conditions and mental phenomena of sleep, dreams, hypnotism, somnambulism, sanity, insanity, illusions, hallucinations, mind-reading, etc. This, as well as course 1, will be especially valuable to those students who expect to study law or medicine. It is intended to throw light on many of the peculiarities of mental life as exhibited in mankind. Lectures, discussions, and recitations. Text-books: Moll's "Hypnotism," M. de Manacéine's "Sleep," Parish's "Hallucinations and Illusions," Lombroso's "The Man of Genius." *No prerequisite (though desirable to be accompanied by, or preceded by course 1).*

11. LOGIC (*second term*) (1)—This and course 12 are combined and should follow course 1. Text-book: Jevons-Hill. Reference books: Hyslop, Mills, Bain, Hamilton. *Prerequisite: Course 1.*

12. ELEMENTS OF ETHICS (*second term*) (2)—Comparative Ethics. The bearing on the moral standing of the theories of Evolution, Sociology, Biology, Economics and Political Economy, as applied to real life. Text-books: Mackenzie and Seth. Reference books: Martineau, Jenet. *Prerequisite: Course 1.*

13. INTRODUCTION TO PHILOSOPHY (2)—This course is designed to present in an elementary way the principal philosophical problems. It may properly be taken by all who desire an acquaintance with philosophy as a means of culture.

Emphasis will be laid upon the philosophy of life and of conduct in connection with the discussion of problems in Ethics, Aesthetics and the Philosophy of Religion. The problems will also be studied from the historical standpoint, which will involve the study of some of the theories of philosophical writers. Text-books: Paulsen's "Introduction to Philosophy," Bowne's "Theory of Thought and Knowledge," Knight's "Philosophy of the Beautiful, Kulpe's "History of Philosophy." *Prerequisite: Course 1.*

NORMAL COURSE.

Certificate of Licentiate of Instruction.

The certificate of Licentiate of Instruction (L. I.) has been established by the board of trustees as a stamp of one's knowledge of educational principles and proficiency in the art of teaching.

The certificate of Licentiate of Instruction will be granted (1) to those who complete the prescribed course for the state certificate, (2) to those candidates for the B. A. and B. S. degrees who elect their major in the department of philosophy and pedagogy, (3) to those who receive eight hours credit in this department, subject to the approval of the professor in charge of this department.

The department of pedagogy was organized by the board of trustees to provide a proper course of study for the teachers of Arkansas.

Its objects are:

1. To increase skill and efficiency in organizations, methods, management, and teaching our rural, or ungraded schools.
2. To qualify teachers for the higher grades of work embodied in the studies necessary for state license.
3. To prepare teachers for professional skill in supervision, either as principals or superintendents.
4. To give increased scope and development to our secondary schools.
5. To elevate and maintain in the state a professional spirit and a higher scholastic standard.

The graduates of the University are filling acceptably many of the best educational positions in the state and the demand now is greater than the supply. The need of professionally trained teachers is actively increasing, and the facilities heretofore afforded at the University have been enlarged so as to meet the necessity. The normal department has been well equipped with needful devices, apparatus and library, and the choicest educational literature and reading is daily supplied. The problems of the day are subjects in the regular work of lectures, discussions, and theses. Besides the need of more thorough efficiency in the teaching force in common schools, there is a strenuous demand for superior skill and power in our graded school. The energy of expansion in educational interests, consequent upon the growth of population, wealth and revenues, is manifested by the increase in the number of special school districts and high schools. It is further noticed in improved buildings, equipments and appointments. This higher expression of progressive public sentiment insures the demand for professionally trained teachers—those who understand teaching as a science and an art, and who know the history of education and something of its problems and developments. It is not a credit to the state that such efficiency and power have been heretofore sought beyond our borders.

Granting the vast wealth of equipment in normal schools in the eastern states and the acuteness of their professional training, yet those who study pedagogy within the political, civil and sociological environments of their own state are prepared to work more effectively for the pupil and for the commonwealth than those educated elsewhere and

who are strangers to the problems and conditions that confront us in Arkansas.

Requirements for State Certificate.

*Section 6974 of the Revised Statutes of the State is as follows: "The state superintendent of public instruction shall have power to grant state certificates, which shall be valid for life, unless revoked, to any person in the state who shall pass a thorough examination in all those branches required for granting county certificates, and also in algebra and geometry, physics, rhetoric, mental philosophy, history, Latin, the Constitution of the United States, and of the state of Arkansas, natural history and the theory and art of teaching."

*The Superintendent of Public Instruction puts the following construction on this section.

"State licenses are not granted to inexperienced teachers. Applicants for the same must present satisfactory evidence of having taught successfully at least twenty months.

"State licenses are granted, under the law, *only* on approved examinations, conducted by the State Superintendent.

"While the law is silent as to the scope of the examination, naming the subjects only, the following outline will give an idea as to the requirements under the present administration: In algebra, natural history (botany, geology zoology), physics, and general history, the examination will be on such matter as is comprehended in the average high school text-books on these subjects.

"*Latin*—Grammar and composition: first four books of Caesar; first two books of Virgil; first two orations of Cicero against Catiline, and his essay De Senectute—or equivalent readings.

"*Geometry*—Plane geometry, and first two books of solid geometry, including exercises.

"*Rhetoric*—With special reference to the essentials of English composition.

"*Constitution of the United States and of Arkansas*—Embracing a study of the origin, subject-matter, and civic relations under the same.

"*Theory and Art of Teaching, Mental Philosophy*—As discussed in works on these subjects.

"Holders of first-grade certificates may not be examined in the common school branches. An average of 80 per cent will be required on all subjects. Below 70 per cent on any subject will be considered a failure thereon."

To meet the provisions of this law, a four years' course has been provided, which includes all the branches on which one is examined for the state certificate, which also leads to the certificate of L. I. (Licentiate of Instruction). As given in the scheme of studies below, the first two years may be done in the high schools or in the preparatory department of the university. The completion of the first two years also entitles one to admission to the Freshman class in the B. A. and B. S. courses.

The hours completed during the third and fourth years are credited on the courses leading to the degrees of B. A. and B. S.

Course Required for State Certificate.

FIRST YEAR.

	Hours per week.
Arithmetic	2
Algebra.....	3
English.....	4
History of United States.....	3
Latin.....	4

SECOND YEAR.

Algebra.....	2
Plane Geometry.....	4
English.....	4
General History.....	3
Latin.....	4

THIRD YEAR.

English, course 1.....	3
Latin, course 1.....	3
Mathematics, course 1 (Solid Geometry).....	3
Biology, course 1.....	3
Pedagogy, courses 1, 3, 4.....	3

FOURTH YEAR.

Hours
per week.

English, course 2.....	3
History, course 2.....	2
Physics, course 1.....	3
Pedagogy, courses 5, 6, 7, 8.....	5
Singing and Drawing.....	2

MECHANICAL ENGINEERING.

B. N. WILSON, Acting Professor and Superintendent of Mechanic Arts.

J. E. BEAVERS, Acting Adjunct Professor and Assistant Superintendent of Mechanic Arts.

W. A. HARDING, Assistant Superintendent of Mechanic Arts.

Two courses are offered, a four-year course leading to the degree of B. M. E., and a short course of two or three years, depending on the preparation of the student.

While the major part of a course in mechanical engineering necessarily consists of scientific and technical studies, the four years' course provides for instruction in English and the modern languages, and offers electives that may be taken in other than technical subjects.

Besides the mathematical and scientific studies which constitute the necessary preparation for the study of the engineering branches, instruction is given in mechanics, machine design, theory of steam and gas engines, etc. Special attention is given to the practical application of the truths and theories taught in the class room, a large part of the time being devoted to shop work, drawing and laboratory practice.

Sufficient instruction is given in the theory and use of electrical machinery to enable the student to use it intelligently.

In the second term of the senior year the student is offered an elective in the branch of mechanical engineering in which he wishes to specialize.

1. SHOP WORK (*hours as assigned*)—(a) Woodworking. Principles of carpentry and joinery; exercises in wood turning. (b) Founding. Green sand molding; melting and pouring brass and iron. (c) Forging. Management of fire; drawing and welding; riveting and tempering; case hardening and annealing. (d) Patternmaking. Practice in making patterns; care and use of wood-working machinery. (e) Ironworking. Chipping, filing, turning, planing, drilling, grinding; erection of machinery. (f) Advanced work in any of the above courses.

2. MECHANICAL DRAWING (2) or (4)—Geometrical drawing; copying machine drawings; working drawings from machine parts; tracing; blue printing. One year, four hours per week. Eight hours per week for short course students.

3. MACHINE DESIGN (2) and (3)—Kinematics of machinery; design of gear teeth, cams, link motions, etc. Two hours' recitation per week, first term. One hour's recitation and four hours' drawing per week, second term. Text-book: Machine Design, Smith.

4. MECHANICS AND HYDRAULICS (4)—Statics and dynamics; strength of materials; hydraulics. Four recitations per week for one year. Text-book: Mechanics of Materials and Hydraulics, Merriman.

4a. ELEMENTARY MECHANICS (3)—An elementary course in mechanics and hydraulics.

*5. STEAM MACHINERY (3)—Elementary thermodynamics; comparison of types of steam engines, boilers, pumps, etc., valve gears. Text-books: Steam Engine, Ewing; Valve Gears, Halsey. Three recitations per week for one year.

5a. STEAM ENGINES AND BOILERS (3)—Elementary theory of steam engines and boilers—care and management of same; valve gears. Three hours per week one year.

*Courses 5 and 5a may be taken for one term.

6. **EXPERIMENTAL ENGINEERING (2)**—Calibration of engineering instruments, indicators, steam gauges, planimeters, nozzles, weirs, etc.; tests of the materials of construction in tension, torsion, compression, and bending; complete engine and boiler trials. Text-book: *Experimental Engineering*, Carpenter. Four hours' laboratory work per week.

7. **STEAM AND GAS ENGINES (4)**—Theory of steam and gas engines; problems in steam engine and boiler design. One recitation, three periods of drawing.

8. **EXPERIMENTAL ENGINEERING (2)**—Advanced work in Engineering laboratory; special investigations.

9. **HYDRAULIC MACHINERY (2)**—A study of the design, construction and operation of water wheels and pumping machinery. Two recitations per week.

10. **METHODS OF ICE MAKING; COLD STORAGE (2)**—Ice making machinery. Two hours per week for one term.

11. **HEATING AND VENTILATING (3)**—Principles of ventilation; the different systems of heating, by steam, hot water, and air; specification. Three hours per week for one term.

12. **STEAM ENGINEERING (4)**—Mechanical engineering of power plants; selections of machinery for the equipment of power stations; plans and specifications. One lecture and six hours' drawing per week, second term.

13. **MACHINERY AND MILL WORK (4)**—Discussions of the different methods of distributing power in mill work; considerations controlling the design of the power plant; specifications. One hour lecture and six hours' drawing per week, second term.

14. **RAILROAD ENGINEERING (4)**—Design and construction of locomotives; repairs for rolling stock; discussion of the problems relating to the mechanical engineering of railroads. One hour lecture and six hours' drawing per week, second term.

The department reserves the right to withdraw any course not elected by four or more students.

Course in Mechanical Engineering for the Degree of B. M. E.

FRESHMAN YEAR.		Hours per week.
Mathematics 1 and 2.....		5
English 1.....		3
Physics 1.....		3
Mechanical Drawing, M. E. 2.....		2
Shop Work.....		3

SOPHOMORE YEAR.		
Mathematics 4 and 5.....		5
Chemistry 1.....		3
C. E. 1, first term, and E. E. 2, second term.....		2
Physics 2 or a language.....		3
Shop Work.....		3

JUNIOR YEAR.		
Mathematics 6.....		3
M. E. 6, Mechanical Laboratory.....		2
M. E. 4, Mechanics.....		4
M. E. 3, and Shop Work.....		5
Elective.....		3

SENIOR YEAR.		
M. E. 5, Steam Machinery.....		3
M. E. 8, Mechanical Laboratory.....		2
M. E. 9, Hydraulic Machinery, first term.....		2
E. E. 12, Electrical Machinery.....		3
E. E. 5, Electrical Laboratory.....		2
Elective.....		6
Thesis, second term.....		2

All elections to be made subject to approval of the professor of mechanical engineering.

Mechanic Arts Course.

This course is designed to meet the wants of two classes of students:

First. Those who are not able to spend the time required for the completion of the four years' course.

Second. Those who lack the necessary preparation for admission to collegiate classes, and do not wish to become candidates for a degree.

Special attention is given to instruction in shop work and drawing, sufficient time being given to the former to enable a student to become familiar with all its branches, and acquire proficiency in some chosen one. The time spent in the drawing room will enable the student to make and understand the machine drawing.

In the last year the technical instruction is designed to give such an elementary knowledge of mechanics, machine design, and steam machinery, as will enable the student to use and care for machinery intelligently. No diploma is awarded, but a certificate of proficiency will be given on the completion of the course.

Courses Required for Certificate.**FIRST YEAR.**

Hours
per week.

Mathematics, second year preparatory.....	5
English, first or second year preparatory.....	4
Shop Work.....	6

SECOND YEAR.

M. E. 4 a, Mechanics and Hydraulics.....	3
Physics 1.....	3
M. E. 2, Mechanical Drawing....	4
Shop Work.....	6

THIRD YEAR.		Hours per week.
M. E. 3 and 5, Machine Design and Steam Machinery.....	.....	5
M. E. 6, Mechanical Laboratory.....	.....	2
E. E. 12, Electrical Machinery .....	.....	3
E. E. 5, Electrical Laboratory.....	.....	2
Elective .....	.....	3

CIVIL ENGINEERING.

J. J. KNOCH, Professor.

G. STUBBLEFIELD, Instructor.

The design of this department is to furnish a course of theoretical instruction, accompanied by illustrations and as much of engineering practice as can well be taught in schools. This course will give the student a knowledge of the fundamental principles required to enter intelligently upon the various branches of engineering belonging to this profession.

The special technical studies, which are offered in this course, may be grouped under the heads of surveying, applied mechanics, road and railroad engineering, hydraulic engineering, bridge engineering, and sanitary engineering.

Instruction. The work in surveying extends over three years. It embraces land surveying, leveling and United States public land surveys during the sophomore year; topography, railroad reconnoissance and location during the junior year; triangulation and geodesy during the senior year. Much time is devoted to practice in the field and drafting room, this work being carried on parallel with the classroom work. Each year a party of engineering students go into camp one week for practice in surveying and locating railway lines.

1. DESCRIPTIVE GEOMETRY (2)—Recitation and practice, first term. Text-book: Church's Descriptive Geometry.

1a. DRAWING (2)—Selection and care of instruments. Drawing geometrical figures, conventional representation of materials, copying and tracing working drawings; and drawing from models. Two afternoons throughout the year.

2. SURVEYING (*with* 3) (3)—First, and part of second, term. Care, use, and adjustment of instruments; use of chain, tape, compass, transit, solar attachment, level, sextant, and plane table; land surveying, leveling, contouring, laws, and instructions relating to surveys of the public domain. Text-book: Raymond's.

3. FIELD PRACTICE—Exercises in land, city, and topographical surveying. Two afternoons throughout the year.

4. HIGHWAYS (1)—One hour per week, second term. The location, construction, and maintenance of common, Macadam, and Telford roads; brick, stone, wood, and asphalt pavements for city streets. Text-book: Spaulding's Roads, Streets, and Pavements.

5. RAILROAD ENGINEERING (2)—Two hours per week throughout the year. Preliminary surveys and location; transition curves, yards, and turnouts; estimates of earthwork and material used in construction; the economics of railroad location and management. Text-books: Searle's Field Engineering, and Crandall's Transition Curve and Earthwork Computations, first term; Wellington's Economic Theory of Railway Location, second term.

6. FIELD PRACTICE (2)—Location of curves, turnouts, and Y's; measurement of embankments and cuts, and computation of volumes. Four hours a week throughout the year.

7. RAILROAD SURVEY—One week, twelve hours per day. Actual field practice in reconnaissance, preliminary survey, and location.

8. DRAWING (2)—Lettering titles for maps and drawings. Pen and colored topography. Four hours a week throughout the year.

8a. DRAWING (2)—Lectures and practice two afternoons a week throughout the year. Shades, shadows, and perspective. Topographical and railroad maps from actual surveys; masonry dams, structural details, and working drawings for designs.

9. MASONRY CONSTRUCTION (2)—Two hours per week, first term. Use of lime, and hydraulic cement mortars; stone and brick masonry foundations; foundations in soft materials on land and under water; cofferdams, cribs, and caissons. Text-book: Baker's Masonry Construction.

10. ROOFS AND BRIDGES (3)—Four hours per week, first term; three hours, second term. Theory of computation of stresses by both analytical and graphic methods; full computations, designs, and bills of material for a roof truss and railroad bridge. Text-books: Merriman and Jacoby's Roofs and Bridges, Parts I, II., and III.

11. SANITARY ENGINEERING (2)—Two hours per week, first term. Calculation and special details of construction of sewers, separate and combined systems of sewerage; purification of sewerage; municipal and domestic sanitation. Text-book: Baumeister's Cleaning and Sewerage of Cities.

12. TECHNICAL DRAWING (2)—Lectures and practice, four hours per week throughout the year. Right and oblique arches; drawings for computations of course 10.

13. WATERWORKS ENGINEERING (3)—Three hours per week, second term. Study of systems of water supply; collection, purification, and distribution of water; location of waterworks, with details of estimate of cost, turbines and pumping engines. Text-book: Folwell's Water Supply Engineering.

14. ENGINEERING LABORATORY (2)—Two hours per week, first term. Test of strength and other properties of materials of construction; tensile and crushing tests of brick, stone, and cement; flow of water through pipes, elbows, valves, and measurement by means of weirs.

15. FIELD PRACTICE (2)—Two hours per week, first and second terms. Topographical survey, triangulation, precise leveling, and practical astronomy.

16. CONTRACTS AND SPECIFICATIONS (3)—Elective for Seniors in engineering. Lectures and recitations three times per week. Text-books: Johnson's Contracts and Specifications; Wait's Engineering and Architectural Jurisprudence.

Course in Civil Engineering for Degree of B. C. E.

FRESHMAN YEAR.		Hours per week.
Mathematics 1, 2.....		5
Chemistry 1.....		3
English 1.....		3
C. E. 8, Lettering.....		2
C. E. 1a, Drawing.....		2

SOPHOMORE YEAR.		
Mathematics 4, 5.....		5
C. E. 2, 3, Surveying.....		3
English 2, French, German, or Spanish 1.....		3
Physics 1.....		3
C. E. 1, Descriptive Geometry, first term.....		2
C. E. 4, Highway Construction, second term.....		1
Architectural Drawing, second term.....		1

JUNIOR YEAR.		
Mathematics 6, Calculus.....		3
M. E. 4, Mechanics and Hydraulics.....		4
C. E. 5, Railroad Engineering.....		2
C. E. 6, Field Practice.....		2
C. E. 8a, Technical Drawing.....		2
*Elective.....		4

SENIOR YEAR.		
C. E. 15, Field Practice.....		1
C. E. 14, Engineering Laboratory, first term.....		1
C. E. 11, Sanitary Engineering, first term.....		2
C. E. 12, Technical Drawing.....		2
C. E. 13, Waterworks Engineering, second term.....		3
C. E. 9, Masonry Construction, first term.....		2
C. E. 10, Roofs and Bridges.....	4 and 1	3
Geology 5, Blowpipe Analysis, second term.....		2
*Elective.....		3
Thesis.....		

*Electives can only be taken on approval of the professor.

ELECTRICAL ENGINEERING.

W. N. GLADSON, Professor.

W. A. TREADWAY, Instructor.

Two courses of instruction are offered. The four years' course is intended to afford a good general education, and at the same time to ground the student so thoroughly in the principles of electrical engineering as to furnish a good foundation for the profession.

Theoretical and applied electricity and the mechanics of engineering are naturally the leading subjects.

Theory is amply treated and tested by experiments in well equipped laboratories, thus affording the student a degree of facility in the use of instruments and machines which is acquired only by continued practice. As a requisite for graduation, each candidate must present an acceptable thesis, embodying the results of special study. The subject of such study must lie within the field of electrical engineering. It must be announced not later than the beginning of the second term of the senior year, and be approved by the professor in charge. The completed thesis must be submitted not later than two weeks before commencement day, and one copy must be deposited in the library as the property of the University.

The short course, of two years, is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only the necessary mathematics, which, with electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice in the shortest possible time.

This course prepares students for practical work, such as constructing, operating, superintending or managing lighting, power or manufacturing plants. It does not lead to a degree, but a suitable certificate will be given on completion of the work.

1. ELECTRICAL ENGINEERING (5)—Recitation, lectures, and practice five times a week throughout the year. Installation and operation of electrical machinery; Underwriters' rules; calculations; estimates; specifications, and practical work. Text-book: *Management of Dynamos and Motors*, by Croker and Wheeler, and *Electricity and Magnetism*, by Thompson.

PROFESSOR GLADSON.

INSTRUCTOR TREADWAY.

2. ELECTRICAL MEASUREMENTS (2)—Recitations and practice twice a week, second term. Text-book: *Electrical Measurements*, by Carhart and Patterson.

PROFESSOR GLADSON.

3. TECHNICAL DRAWING (2)—Lectures and practice two afternoons a week throughout the year. Working drawings or electrical apparatus; wiring plans designed by student.

INSTRUCTOR TREADWAY.

3a. DRAWING (2)—Use and care of instruments; copying of mechanical drawings and wiring plans. Drawing of machine parts.

INSTRUCTOR TREADWAY.

4. TECHNICAL DRAWING (2)—Lectures and practice four hours a week throughout the year; an extension of course 3, and must be preceded by it. Drawings of circuit and machine, electrical calculations, and mechanical designs of electrical machinery; complete power plants designed by student.

PROFESSOR GLADSON.

5. ELECTRICAL LABORATORY (2)—One afternoon a week throughout the year. An extended course in magnetic and electrical measurements; current, electro-motive force, and resistance; use and calibration of instruments, voltmeters, and potentiometers; exploration of magnetic fields; dynamo work begun.

INSTRUCTOR TREADWAY.

6. ELECTRICAL LABORATORY (4)—One afternoon a week throughout the year. This is an extension of course 5, and must be preceded by it. A full experimental course in operating and testing direct and alternate current machines; Photometry transmission, storage, and transformation of electric energy. Special courses given suited to the preparation and object of the student.

PROFESSOR GLADSON.

7. DYNAMO-ELECTRIC MACHINERY (3)—Recitations three hours a week throughout the year. Confined chiefly to direct current apparatus, including types of motors, generators, and transformers; design, calculations, construction, testing, and operating. Text-book: Thompson's Dynamo Electric Machinery.

PROFESSOR GLADSON.

8. THEORY OF ALTERNATE CURRENTS (3)—Recitations three times a week, first term. Text-book: Sheldon's Alternate Currents; Machines.

PROFESSOR GLADSON.

9. POLYPHASE ELECTRIC CURRENTS (3)—Recitations and lectures three times a week, second term. Text-book: Thompson.

PROFESSOR GLADSON.

10. ELECTRIC RAILWAYS (2)—Recitations and lectures twice a week, second term. Text-book:

PROFESSOR GLADSON.

11. TELEPHONY AND TELEGRAPHY (2)—Lectures and recitations twice a week throughout the year. Text-books: Preece's Telephone and a manual of Telegraphy.

PROFESSOR GLADSON.

12. ELECTRICAL MACHINERY (3)—Recitations three times a week on Direct and Alternate Current Dynamos and Motors; their application to light, power, railway mining, and manufacturing. Text-book: Dynamo Electric Machinery by S. Sheldon.

INSTRUCTOR TREADWAY.

Course in Electrical Engineering for the Degree of B E E.

FRESHMAN YEAR.	Hours per week.
Mathematics 1, 2 (<i>Solid Geometry, Trigonometry, Algebra</i>)....	5
English 1 (<i>English Composition</i>).....	3
Physics 1 (<i>General Physics</i>).....	3
E. E. 3a (<i>Drawing</i>).....	2
M. E. 1d, b (<i>Shop Work</i>).....	2

Description of Courses.

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SOPHOMORE YEAR.

Hours
per week.

Mathematics 4, 5 (<i>Determinants, Analytic Geometry, Spherical Trigonometry, and Calculus</i>).....	5
Chemistry 1 (<i>General Inorganic Chemistry</i>).....	3
C. E. 1 (<i>Descriptive Geometry; and E. E. 2, Electrical Measurements</i>).....	2
Physics 2 (<i>Electricity and Magnetism</i>).....	3
M. E. 1c, e (<i>Shop Work</i>).....	2

JUNIOR YEAR.

Mathematics 6 (<i>Calculus</i>).....	3
French 1, German 1, Spanish 1, or English 2.....	3
E. E. 7 (<i>Dynamo Electric Machinery</i>).....	3
E. E. 5 (<i>Electrical Laboratory</i>).....	2
E. E. 3 (<i>Technical Drawing</i>).....	2
M. E. 4 (<i>Mechanics and Hydraulics</i>).....	4

SENIOR YEAR.

M. E. 5 (<i>Steam Machinery—first term and Chemistry 14. Electro-Chemistry, second term</i>).....	3
E. E. 8 (<i>Alternate Current Theory, and E. E. 9, Polyphase Electric Currents</i>).....	3
E. E. 6 (<i>Electrical Laboratory</i>).....	2
E. E. 4 (<i>Technical Drawing</i>).....	2
E. E. 11 (<i>Telegraphy and Telephony</i>).....	2
M. E. 6 (<i>Mechanical Laboratory, first term; and E. E. 10, Electric Railways, second term</i>).....	2
Elective.....	3
Thesis.....	

*Short Course in Electrical Engineering.

FIRST YEAR.

Hours
per week.

E. E. 1 (<i>Electrical Engineering</i>).....	5
E. E. 3a (<i>Drawing</i>).....	2
M. E. 4a (<i>Elementary Mechanics</i>).....	3
M. E. 1d, b (<i>Shop Work</i>).....	3
Mathematics (<i>First Preparatory Algebra</i>).....	3

*Candidates for this course should be at least 16 years old and have a fair knowledge of the common school branches, especial'y Arithmetic.

SECOND YEAR.

Hours
per week.

E. E. 12 (<i>Electrical Machinery</i>)	3
E. E. 3 (<i>Technical Drawing</i>)	2
E. E. 11 (<i>Telephony and Telegraphy</i>)	2
E. E. 5 (<i>Electrical Laboratory</i>)	2
M. E. 5a (<i>Steam Engines and Boilers</i>)	3
M. E. 1c, e (<i>Shop Work</i>)	3

AGRICULTURE AND HORTICULTURE

The course in agriculture or in horticulture leads to the degree of Bachelor of Science. The entrance and graduation requirements with agriculture or horticulture as a major will be found under the general requirements for entrance and graduation on pages 59 and 60. Students are advised to decide upon their major subjects as early in their college career as possible. This will unify their course and give purpose to all their university work.

Agriculture and horticulture are comprehensive-composite subjects, the principles upon which they are based being derived from a number of sciences. The course in either subject is a university course, with special attention to the sciences as they relate to agriculture or horticulture as a major subject. While in a sense a specialist, the specialist in agriculture or horticulture is less a specialist than in almost any other field. The full course of study, while ultimately practical, is intended to afford a training as broad as any other course, and equal in educational value.

Nearly everyone at some time or other in life has to do with lands and the planting of trees or gardens, if not for money considerations then for pleasure. Some of the subjects offered in agriculture and horticulture are therefore

of value to students in other departments as practical parts of a liberal education. Some of the studies may be included by such students as electives.

The course of instruction aims throughout to give the student a grasp of fundamental principles, and at the same time furnish opportunity for observing their practical application to the extent of rendering him independent of mere arbitrary rules of practice. The student is encouraged to discover, plan, and execute for himself, and he is aided in this by his association with specialists in the lines which he is pursuing, and by constant opportunity to observe the farm, orchard, and garden work of the national agricultural experiment station connected with the University.

In addition to the theoretical work the student is expected to acquire a degree of practical skill—to become familiar with the best methods, and the use and care of implements and machinery.

Agriculture.

C. L. NEWMAN, Professor.

1. (a) SOILS—Their origin, classification, properties and relation to animal and plant production; drainage; irrigation; tillage. Three hours per week, first term.

(b) FARM CROPS—Manures and fertilizers; grain crops; hay and pasture crops; root crops; fiber and miscellaneous crops. Three hours per week, second term. *Required of Freshmen in the Agricultural Course.*

2. (a) FARM BUILDING, MACHINERY AND TOOLS—Location, construction, and management of stables, barns, dairies, silos, piggeries, sheepfolds, poultry houses, roads, and fences. Farm machinery and tools, water supply. Two hours per week, first term.

(b) FARM ANIMALS—General discussions of the various animals usually on a farm, their breeding, feeding, care, and the production of feeds for the various classes. Two hours per week, second term. *Required of Sophomores in the Agricultural Course.*

3. (a) RURAL ECONOMY—General farm management; labor; marketing; transportation. Two hours per week, first term.

(b) EXPERIMENTS—Records and discussions of experiments conducted by the experiment station. Two hours per week, second term. *Required of Juniors in the Agricultural Course.*

4. SPECIAL FARMING—(a) Live stock in general; (b) cattle; (c) swine; (d) sheep and goats; (e) poultry; (f) animal breeding; (g) animal feeding. Each subject two hours per week, first term. *Four hours required of Seniors.*

(h) Grain crops; (i) cotton; (j) root crops; (k) forage, soiling crops and the silo; (l) hay, pasture, and green manuring crops; (m) plant breeding; (n) fertilizers and their uses. Each subject two hours per week, second term. *Four hours required of Seniors.*

Horticulture.

ERNEST WALKER, Professor.

1. (a) PHYSIOLOGY OF PLANTS—A study of the subject from the horticultural standpoint. Fall term, three hours.

(b) THE PRINCIPLES OF PLANT BREEDING—Environment, variation, heredity, cross-pollination, selection, improved varieties, evolution of fruits and vegetables. Spring term, three hours. *Required of Freshmen in the Horticultural Course.*

2. (a) HORTICULTURAL STRUCTURES AND CONVENIENCES—Hot-beds, cold frames, pits, greenhouses, materials, construction, greenhouse heating, ventilation, management, implements. Fall term, two hours.

(b) PROPAGATION OF PLANTS—The various methods by which plants are multiplied, spores, seed, cuttings, budding, grafting, transplanting. Spring term, two hours. *Required of Sophomores in the Horticultural Course.*

3. (a) FRUIT CULTURE—Orcharding, viticulture, small fruits with reference to kinds and varieties best adapted to the state, cultivation, marketing, including insects, diseases, spraying and other methods of control. Fall term, two hours.

(b) VEGETABLE GARDENING—Studies in the growing of the principal vegetables adapted to the state, for home use and market; insects, diseases. Spring term, two hours. *Required of Juniors in the Horticultural Course.*

4. SPECIAL WORK AND PRACTICE—(a) Handicraft. Throughout the year, two hours. (b) *Horticultural literature. Fall term, one hour. (c) Decorative gardening. Spring term, two hours. (d) *Forcing of vegetables and flowers. Fall term, two hours. (e) *Forestry. Fall term, two hours. (f) *Special studies and reports. Spring term, one hour. *At least four hours required of Seniors.*

MILITARY SCIENCE AND TACTICS.

CAPTAIN LANNING PARSONS, U. S. Army.

1. PRACTICAL WORK (3)—Three hours per week. In school of the soldier, squad, platoon, company, and battalion, close and extended order; ceremonies of guard mounting, dress parade, inspection, and review; camping, guard duty, target practice, laying out field works, and signaling. In this work the cadet officers act as instructors, thus putting into practice the knowledge gained in previous years.

2. RECITATIONS AND LECTURES (1)—One hour per week. Infantry Drill Regulations (U. S. Army, Part 1). Manual Guard Duty (U. S. Army).

3. RECITATIONS AND LECTURES (1)—One hour per week. Infantry Drill Regulations (U. S. Army, Part 2). Small Arms Firing Regulations (Blunt).

4. RECITATIONS AND LECTURES (1)—One hour per week. Military Field Engineering (Beach). Military Signaling (U. S. Army Signal Code).

5. RECITATIONS AND LECTURES (1)—One hour per week. Service of Security and Information (Wagner). Military Law (Winthrop).

*Courses marked * open only to third and fourth year collegiate students.

DEPARTMENT OF MUSIC.

PAUL SCHMOLCK, Director.

Plan and Purpose.

The fundamental idea of the management has been to make the department of music complete and thorough in every respect and to advance the pupils rapidly, yet carefully. In other words, the standard of efficiency in the music department of the University of Arkansas must be so high that a certificate of study and ability granted here will possess a value that will be recognized far and wide; that pupils will choose to study here in preference to going to the greater cities.

Recitals.

We would call especial attention to the recitals of both students and faculty, of which a number are given each year, and which have won a reputation for artistic excellence. The advantage derived from these cannot be over-estimated.

At the pupil's recitals, which are given at regular intervals, all students are privileged and expected to appear as their talents and advancement may warrant. Not only does this offer them a greater incentive to put forth their best efforts, but it helps them to overcome any nervousness they may feel when appearing before the public, which often mars the performance of students who have not the opportunity of performing frequently before an audience.

Chorus Work.

A large chorus has been organized to which all students are admitted free. Oratorios, cantatas, and part songs by

the best composers are studied here, which are performed in recitals and concerts during the season and especially at commencement.

Orchestra.

Students of violin and other orchestral instruments will, as soon as possible, be admitted to membership in the University orchestra, which takes part in all recitals, and also in all concerts in connection with the Choral Union. This practice is a decided advantage to the student as well as a source of pleasure.

Piano.

Modern science has accomplished in the study of the arm, knuckles, wrist, and fingers for touch and technique, much in advance of older methods. By proper attention to the details at the outset much disappointment and misdirected effort can be spared. The great value of this training of the wrist, fingers, and arms has been shown in the playing of the greatest pianists, Liszt, Von Buelow, Paderewski, and others, and greater strength for the fingers can thereby be developed, also suppleness and elasticity of the wrist and forearm. The course of study consists of technical exercises followed by Studies of Bertini, Koehler, Heller, Loeschhorn, Czerny, Cramer, Clementi, Moscheles, Kullak, Chopin, Rubinstein, Liszt, etc., inventions, suites, well tempered Charichord of Bach, Sonatas of Mozart, Haydn, Beethoven, also compositions by Weber, Mendelssohn, Schumann, Chopin, Liszt, Rubinstein, Brahms, etc.

Piano Practice.

At very moderate expense pupils can arrange to do their daily practicing at the University building, in case this should prove desirable.

Violin and Other Stringed Instruments.

MISS CLARA SCHRADER.

The violin is by many considered the most difficult of instruments and requires careful and conscientious study. Much depends upon the beginning. Often a pupil begins study with an inexperienced teacher, or one who does not concentrate his attention on this one most difficult instrument, and consequently falls into bad habits of position, bowing, or technique that make advancement difficult, and are in many cases almost impossible to overcome. Special attention is given to the above in addition to the phrasing, etc. The pupil is taken from the beginning and carefully brought through the most difficult phases of the violin. In addition to his exercises he is, as soon as possible, given pieces within his capacity. The course of study includes the following: Hohman's Practical Method, Books I-V, F. Wohlfarth, op. 45, Books 1, 2; op. 74, Book 1; G. Wichtel, op. 20; Studies of Mechanic and Expression, Mazas, op. 38, 12 Duos Blumenthal, op. 68, 24 Etudes; Rud Kreutzer, 42 Studies or Caprices, Henry Schradick's School of Violin Technics; Pieces by Vieuxtemps, Dancla, DeBeriot, H. Schroeder, Weiss, Tartini, Blumenstengel, Behr, Brahms, Dussek, Durand, Ernst, and others.

Instruction on the guitar includes the following courses: Arling Shaeffer's "Elite" Method, Winner's, Weisshaupt's or Carcassi's Methods; Pieces by Sousa, Arnold, Weissenberg, Eaton, Ortenstein, P. W. Newton, Rutledge, and others.

For the mandolin we use: Branzoli's Practical Method, Arling Shaeffer's "Elite" Method, or Weissenburg's Modern Mandolin Method. Pieces by the best modern composers.

Voice Culture.

MRS. LAURA ANDERSON.

In this branch special stress is laid on the control of breath, accuracy of tone, and distinct articulation, next the development of mind, body and voice, coöperatively. Study of intervals, scale-building, sight reading. As early as practicable the pupil is trained in phrasing. Musical expression is artistically developed in harmony with individuality of the pupil. Exercises used will be those best adapted to the needs of the pupil. Songs of the best American, English, German, Italian, and French composers used according to the progress of the pupil. Study of opera and oratorios.

For pupils desiring it, normal classes will be formed and a normal course given for the benefit of those who wish to teach in the public schools.

Especial attention given to concerted work; duets, trios, quartettes, chorus work, and training for membership in Glee Club.

Theory of Music.

PAUL SCHMOLCK.

All students preparing for an artistic career or for that of instructor will find this a very necessary branch. The work is briefly as follows:

1. **HARMONY**—Keys, scales, intervals, formations of the triad, chord connections, and simple part writing, harmonizing bases, including all chords of the seventh and their inversions, altered and augmented chords, suspensions, modulation.

2. **COUNTERPOINT**—Simple counterpoint in two, three and four parts. Double, triple, and quadruple counterpoint, canon fuge.

3. **HISTORY OF MUSIC**—Classes in this important branch will be arranged for the second half of the academic year in place of the beginner's harmony class. The study of history of music is necessary for graduation.

4. **SIGHT READING**—All music students will be given practice in sight reading, which will be a great aid in their regular work, as the ability to read well at sight is of the utmost assistance to the performer, greatly reducing the work of preparing lessons, as well as being an important aid in accompaniments.

5. **TEACHERS' COURSE**—Those desiring to become teachers will be given a special preparation when they are sufficiently advanced in their branches.

DEPARTMENT OF ELOCUTION AND PHYSICAL CULTURE.

JENNIE WARD BOWMAN, Instructor.

1. Public Speaking and Oratory.

It is the aim in this work to give such a course of instruction and training as will lead to ease, naturalness, and correctness in the expression of thought. To accomplish this the special endowments of each student are carefully regarded.

1. **THE TEACHER'S COURSE**—(a) Training for thorough understanding and mastery of vocal principles as applied to speaking and reading; (b) technical training for bodily responsiveness (gesture); (c) special work for developing harmony between mind, body, and voice—the ultimate aim being poise of being; (d) careful investigation of natural principles underlying true development of ease in expression; (e) application of advanced methods in education in teaching expression; (f) study of literature as related to expression

2. **THE PUBLIC READER'S COURSE**—(a) Training to develop plasticity of voice; (b) study of the principles of nature and art in their relation to expression and as an aid in awakening artistic instinct; (c) study of literature in relation to expression; (d) characterization and dramatic work; (e) the relation of the speaker to the audience.

3. **ORATORY OR PUBLIC SPEAKING**—(a) Training the mind to keener appreciation of higher truths in all the relations of life; (b) systematic and individual training of voice and body to develop

ease and naturalness, and to stimulate universal sympathy; (c) training for proper action of mind in speaking; development of ease in speaking before an audience; (d) work for ease in extemporaneous speaking; (e) work to develop quickness and accuracy in debate; (f) all training in accord with nature's intention and to overcome mechanical expression.

4. GENERAL CULTURE COURSE—(a) Training for ease and grace of bearing; (b) correctness and pleasantness in the use of the voice; (c) development of taste and artistic instinct.

Technical training for each course is arranged by steps to be mastered in order.

The mastery of each course requires a certain amount of work each year for three years.

Three certificates of proficiency are awarded:

General Culture.

Teacher's.

Public Speaker's.

The student completing the full course receives a diploma.

11. Physical Culture.

The purpose of the work in physical culture is to develop and strengthen pupils normally.

Systematic and careful training is given according to individual needs. The course is adapted from the leading systems.

The gymnasium is furnished with modern apparatus.

COURSE IN MUSIC AND ELOCUTION.

Following is the schedule of the regular course in music or elocution.

	FIRST YEAR.	Hours per week.
Arithmetic.....		2
Algebra.....		3
English.....		4
History.....		3
With first year preparatory classes.		
Music or Elocution, etc.....		4
Recitation time.		
	SECOND YEAR.	
Algebra.....		2
English.....		4
History.....		3
With second year preparatory classes.		
Music or Elocution, etc.....		8
Recitation time.		
	THIRD YEAR.	
English 1.....		3
German 1, or French 1.....		3
Music or Elocution, etc.....		10
Recitation time.		
	FOURTH YEAR.	
English 2.....		3
German 2, or French 2.....		3
Music or Elocution, etc.....		10
Recitation time.		

Terms of Tuition.

Owing to the fact that the state provides for the expenses of the music department and a portion of the salary of the instructors, the tuition is below the usual price paid elsewhere for similar advantages.

One Term (18 weeks, 2 lessons per week), Piano, Voice Culture, String and Band Instruments.....	\$22.50
Harmony, History of Music, etc. (in classes).....	5.00
Use of Pianoforte for practice (each, 1 hour daily), per term..	2.50
Elocution (in classes) free to University students.	

The tuition is based upon a term of eighteen weeks, except when otherwise stated, and these rates do not apply for a less period.

The tuition is payable strictly in advance and a higher rate is charged if paid later. Pupils may enter at any time, but will not be accepted for less than one term of eighteen weeks.

No deduction can be made for lessons missed by the pupil, but such lessons may be made up within the term.

ART.

MISS AMMEE LEVERETT, Instructor.

(Pupil of the Pennsylvania Academy of Fine Arts and
Corcoran Art School.)

Branches Taught.

Drawing with a pencil, pen, and charcoal from life, casts and still life. Painting in oil, water color, and pastel.

Chalk engraving, in connection with illustrating, and decorative art, including pyrography, wood carving, and china painting.

Instruction in the regular course is individual and the time for work in the art room is not limited. Instruction in the teacher's course is given to classes of six to ten and the time is limited to two hours per week.

A special course in drawing and water-color work has been arranged for students preparing for public school teaching.

Rates of Tuition.

Regular art course, per month.....	\$ 5.00
Regular art course, per term of three months.....	12.00
Teacher's art course, per month.....	1.50

PREPARATORY SCHOOL.

INSTRUCTORS.

J. W. KUYKENDALL, Principal, Mathematics and Physiology.

G. A. COLE, Mathematics and Bookkeeping.

MRS. E. W. COLE, History and Latin.

MARY A. DAVIS, English.

MARY W. VAULX, English and History.

ROZE BENNETT, Mathematics and History.

R. E. PHILBECK, Latin, Mathematics, and Physical Geography.

J. E. BEAVERS, Woodwork and Drawing.

W. A. HARDING, Machine Work and Forging.

JENNIE WARD BOWMAN, Elocution and Physical Culture.

MRS. LAURA ANDERSON, Vocal Music.

PAUL SCHMOLCK, Instrumental Music.

Professors in the University assist in the teaching work of the preparatory school whenever such assistance is needed.

This school is maintained: first, to prepare students for admission to the Freshman class in any course in the University; second, to furnish as good an education as practicable to those who do not wish to pursue an extended course; third, to provide a suitable course for those preparing to teach in the public schools who find it impracticable to take the University normal course.

Students seeking to enter the preparatory school should be thoroughly prepared for examination in the subjects required for admission to the class to which they seek entrance.

Requirements for Admission to First Year Class.

1. *Arithmetic.* Students are examined in the whole of common school arithmetic. An accurate knowledge of the properties of numbers, fractions, measurements, etc., and

a good general knowledge of percentage and its applications are rigidly required.

2. *English Grammar.* The fundamental principles of English grammar and composition.

3. *United States History.* The leading facts in American history.

4. *Geography.* The whole of some complete manual of geography.

5. *Spelling and Writing.* Proficiency in these subjects is tested by the examination papers.

Requirements for Admission to Second Year Class.

Students desiring to enter the second year class will be examined upon the following:

1. *Arithmetic.* A thorough and accurate knowledge of the whole of common school arithmetic.

2. *Algebra.* Academic algebra to involution.

3. *English.* English grammar completed, and elementary composition.

4. *History.* An advanced United States history, studied with special reference to growth and development.

5. *Latin.* Collar & Daniell's First Latin Book, or its equivalent, and easy sight reading. (Required of those desiring to study second year Latin.)

6. *Physical Geography.* Davis's Elementary Physical Geography or its equivalent. (Required of those desiring to take second year sciences.)

NOTE.—Students entering after the session has begun will be examined also in the work passed over by their class. Students who hold first grade teachers' licenses and who have had experience in teaching, will be admitted, without examination, to the second year class in the subjects covered by the licenses. Other grades of teachers' licenses and certificates of work done in other schools will be recognized to some extent in classifying students. A student should always bring with him all report cards and certificates of school work.

Examinations at Other Places than Fayetteville.

Students living at a distance from the University may obtain special local examinations, if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

Courses of Study in the Preparatory School.

The preparatory school consists of two sub-college classes, and students are required to complete sixteen hours' work in the first year class, and seventeen hours' work in the second year class as a condition of promotion to the University Freshman class. A student, having completed the prescribed preparatory work in any subject, may be admitted to the Freshman class therein, provided no preparatory study is omitted in order to take up the same.

Special courses of study are not allowed in the preparatory school, but students known to be in poor health or having physical defects which interfere with their studies, may be permitted by the faculty to defer one or more subjects and extend the course over a longer period.

The classification of preparatory students is governed by the rule stated under "Classification of Students," page 42. Studies in lower classes have precedence of higher ones. Students cannot, therefore, omit studies in the preparatory

school and take up collegiate studies except in such cases as may be allowed by the faculty under paragraph 3, page 43.

The following course of study is offered, the completion of thirty-three hours of which will entitle the student to enter the Freshman class.

Hours
per week.

FIRST YEAR CLASS.

Required Work.....12

Arithmetic.....	2
Algebra.....	3
English.....	4
History of the United States and Arkansas.....	3

Elective Work (selected from the following).....4

Latin.....	4
German.....	4
Physical Geography.....	3
Nature Study.....	1
Bookkeeping.....	1
Woodwork.....	2
Forge Work.....	1
Total.....	16 hours.

SECOND YEAR CLASS.

Required Work....13

Algebra....	2
Plane Geometry.....	4
English.....	4
History of Greece and Rome.....	3

NOTE.—Students desiring to take the course leading to the B. A. degree (see p. 59 and 60), must elect either Latin or German in the preparatory classes. Students desiring to take any other course may elect any four hours' elective work in each year.

	Hours per week.
<i>Elective Work (selected from the following)</i>	4
Latin	4
German	4
Physiology	2
Physics	2
Civics	2
Drawing	2
Total	17 hours.

Teachers' Course.

This course has been arranged for students who do not desire to take a full course at the University and who wish to qualify themselves to teach in the public schools of this state.

FIRST YEAR CLASS.

	Hours per week.
Arithmetic	2
Algebra	3
English	4
History of the United States and Arkansas	3
Physical Geography	3
Physiology	2

SECOND YEAR CLASS.

Algebra	2
Plane Geometry	4
English	4
History of Greece and Rome	3
Civil Government	2
Pedagogy	3

NOTE.—Students desiring to prepare for the normal course (see p. 85), should take the preparatory course with Latin.

Detailed Work of Courses.

FIRST YEAR CLASS.

MATHEMATICS, 5.—Higher Arithmetic, text to be selected; Fisher and Schwatt's Secondary Algebra to Involution.

ENGLISH, 4.—(1) *English Grammar*: Maxwell's Advanced Grammar. (2) *Composition*: dictation, letter writing; class-room themes, one each week, written and rewritten, based on assigned general reading, with especial attention given to spelling, punctuation, paragraphing, and idiomatic expression. (3) *For General Reading*: Goldsmith's Vicar of Wakefield; Addison's Sir Roger de Coverley; Lowell's Vision of Sir Launfal; Coleridge's Ancient Mariner. (4) *For Careful Study*: Macaulay's Essay on Milton; Burke's Speech on Conciliation. (5) *For Memorizing*: Coleridge's Ancient Mariner; Lowell's Vision of Sir Launfal.

LATIN, 4.—Bennett's Latin Lessons; Collar's New Gradatim.

GERMAN, 4.—Lange's German Method; Leander's Träumereien; von Hillern's Höher als die Kirche; Drei Kleine Lustspiele; Wesselhoeft's Composition.

HISTORY, 3.—Shinn's United States History and other texts for collateral study.

GEOGRAPHY, 3.—Davis's Physical Geography.

NATURE STUDY, 1.—Hodge's Nature Study and Life.

BOOKKEEPING, 1.—Meservey's Bookkeeping.

WOODWORKING, 4.—Principles of carpentry and joinery; wood turning; cabinet work. Sickel's Exercises in Woodworking.

FORGING, 2.—Management of fire; drawing; welding; riveting; tempering.

SECOND YEAR CLASS.

MATHEMATICS, 6.—Fisher and Schwatt's Secondary Algebra, completed; Beman and Smith's Plane Geometry, completed.

ENGLISH, 4.—(1) *Rhetoric*: Hill's Foundations of Rhetoric. (2) *Composition*: Class-room themes, one each week, written and rewritten, based upon assigned general reading, with especial attention given to spelling, punctuation, paragraphing, and idiomatic

expression. (3) *For General Reading*: Tennyson's Princess; Carlyle's Essay on Burns; Shakspeare's Julius Cæsar, and Merchant of Venice; Scott's Ivanhoe; George Eliot's Silas Marner. (4) *For Careful Study*: Shakspeare's Macbeth; Macaulay's Essay on Addison; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas. (5) *For Memorizing*: Milton's L'Allegro, Il Penseroso, Comus, and Lycidas, and selections from Shakspeare's Macbeth and Tennyson's Princess.

LATIN, 4.—Four Books of Cæsar, or an equivalent; Bennett's Grammar and Exercise Book.

GERMAN, 4.—Riehl's Der Fluch der Schönheit; Freytag's Karl der Grosse; Schiller's Der Geisterseher; Lyrics and Ballads; Lessing's Minna von Barnhelm; Schiller's Wilhelm Tell; Goethe's Hermann und Dorothea; Poll's German Composition.

HISTORY, 3.—Botsford's History of Greece, first term; Botsford's History of Rome, second term.

PHYSIOLOGY, 2.—Hutchison's Physiology and Hygiene.

PHYSICS, 2.—Text to be selected; lectures and written work.

PEDAGOGY, 3.—Page's Theory and Practice of Teaching; Baldwin's Art of School Management; McMurry's General Methods; McMurry's Methods of Recitation.

CIVIL GOVERNMENT, 2.—McLeary's Civil Government, Arkansas and The Nation, and Johnson's History of American Politics.

FREEHAND DRAWING, 4.—Practice Work; outline drawing from models and machine parts; plan, elevation, and section drawings.

NOTE.—In the preceding courses the figure after each subject indicates the number of hours per week.

THE MEDICAL SCHOOL.

Little Rock, Ark.

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Professor of Anatomy.

Four assistant demonstrators of anatomy to be supplied. Subordinates to the different chairs to be supplied.

Special Clinical Lecturers.

R. W. LINDSEY, M. D.,

W. P. ILLING, M. D.,

C. E. WITT, M. D.

Twenty-Fifth Annual Announcement

OF THE

UNIVERSITY OF ARKANSAS MEDICAL COLLEGE.

The Regular Winter Course of lectures will begin on Monday, October 19, and continue until April 9, 1904.

Lectures will be delivered daily during the six days of each week.

The matriculation book will be opened from and after September 1, to students desiring to matriculate early and secure choice of seats.

In making this annual announcement the faculty feels great satisfaction in referring to the continued success and prosperity of the medical department. The cordial endorsement of the Arkansas Medical Society and the generous influence of the medical profession throughout the state are highly appreciated and encourage the faculty to continue the arduous labors it has so long and zealously maintained.

Four Years' Graded Course.

First Year. Anatomy, practical anatomy, physiology, chemistry, physics, histology, medical ethics, and materia medica.

Second Year. Anatomy, practical anatomy, physiology, chemistry, materia medica, pathology, obstetrics.

Third Year. Materia medica and therapeutics; toxicology, obstetrics and diseases of children, physical diagnosis, diseases of the eye and ear, practice of medicine, surgery.

Fourth Year. Review of all branches, practice of medicine, surgery, dermatology, gynecology, bacteriology, urinology, venereal diseases, diseases of the nervous system, medical jurisprudence.

Matriculation.

As required by the rules and regulations of the Association of American Medical Colleges, students on matriculating are required to present credentials showing that they are matriculates or graduates of recognized colleges of literature, science or arts, of high schools, academies, normal schools, or equivalent schools, or that they have teachers' certificates.

Graduates and matriculates in medicine, dentistry or pharmacy, on presenting credentials, are exempt from the entrance examination.

To avoid delay, students entitled to matriculate *without* examination are requested to bring their certificates with them and present them on arrival at the college.

Students not entitled to exemption, as hereinbefore provided, are required to pass an entrance examination, with the following requirements: the writing of an English composition of not less than 200 words; the translation of easy Latin prose; a knowledge of the elements of arithmetic or algebra, and of elementary physics.

Location.

The city of Little Rock is conveniently situated in the center of the state, and railroads enter from every direction, making it easily accessible.

It has a population of more than 40,000, and has always been classed as one of the most healthful cities west of the Mississippi river. Few places can boast of better public schools, colleges, and universities than Little Rock. All the eleemosynary institutions of the state are located here. These are the School for the Blind, Deaf Mute Institute, and the Insane Asylum.

Medical School Building.

The new structure is an imposing edifice, three stories in height, constructed of brick and admirably arranged for the convenience of both students and instructors.

It has a large lecture hall, a fine amphitheater with chairs, a library, a reading room, a museum, several dissecting rooms, all well lighted and ventilated. In fact, it is designed to be a modern and model medical college building. It is situated on Second and Sherman streets.

Hospitals.

The Logan H. Roots Memorial Hospital.—By the munificence of the late Colonel Logan H. Roots and the benevolence of his widow, the city of Little Rock has an elegant and commodious public hospital.

The medical department of the University is fortunate in having this hospital situated on lots adjoining its own building, thus promising greatly increased clinical facilities.

The St. Vincent's Infirmary—formerly called Little Rock Infirmary—designed solely for the treatment of acute diseases, has a capacity of nearly a hundred beds. This hospital is splendidly equipped and furnished with modern

conveniences and improvements, is in the very best sanitary condition, and under the supervision and management of trained nurses, Sisters of Charity.

This magnificent institution just completed, conveniently situated, is the finest and best equipped institution of the kind in the Southwest. The hospital is much enlarged and up-to-date in every respect.

The Pulaski County Hospital, erected at a cost of some \$30,000, is a handsome brick structure, well arranged, complete in all its equipments, and has a capacity of 200 beds.

Accidents from railways, marine patients and the sick and injured from the city, county and state, find in these hospitals shelter, food, raiment and that Christian attention so cheering and comforting in sickness and distress.

The inmates of these different institutions embrace all classes and conditions of people—white, colored, male, female, adults, and children—and with them are found almost every form of malady except quarantinable diseases, which are otherwise provided for.

"The Isaac Folsom Clinic."

This clinic is thus designated in honor of the late Dr. Folsom, and in consideration of his liberal endowment of \$20,000.

The daily instruction in this clinic is thoroughly practical, and is attended by a large number of outdoor patients from the city and surrounding country. It embraces a wide range of diseases and injuries. More than 6,000 patients attended this clinic last year.

Methods of Teaching.

Instruction will be given by didactic and clinical lectures, practical work in the dissecting room, chemical and physiological laboratories, and by daily quizzes upon the subject of preceding lectures.

When the subject will admit of it, each branch will be so illustrated by means of diagrams, charts, models and instruments, as to address the understanding of the student through the medium of sight as well as hearing.

Expenses of Living, Etc.

The expenses of living in the city of Little Rock will, of course, vary according to the views and habits of students. Good board, at the present time, including lodging, fuel and lights, may be had at a convenient distance from the college, at from \$4 to \$6 per week, and from \$13 to \$18 per month.

Students on their arrival are requested to visit the University building, corner Second and Sherman streets, where a list of persons desiring to board medical students will be found.

Persons desiring further information are requested to address the secretary of the faculty.

Terms.

The fee for a full course of lectures will be:

General Ticket.....	\$50.00
Matriculation Ticket (paid but once).....	5.00
Demonstrator's Ticket (for each course).....	5.00
Hospital Ticket (each course).....	3.00
Graduation Fee.....	25.00

No variation is made, under any circumstances, from the established fees of the college, they having been placed originally at the very lowest figure commensurate with the interest of both student and college.

For more specific information and catalogue apply to

F. L. FRENCH, M. D.,

Secretary of Medical Faculty.

Little Rock, Ark.

NOTE.—Alumni are requested to inform the Secretary of their present post-office address, and of any change of location, in order that they may have the annual catalogue forwarded to them regularly.

LAW DEPARTMENT.

Little Rock, Ark.

Officers.

HENRY S. HARTZOG, LL. D., *President.*

J. H. CARMICHAEL, LL.B., *Dean.*

THOMAS N. ROBERTSON, LL. B., *Secretary.*

Faculty.

J. H. CARMICHAEL, LL. B., DEAN.

Contracts, Pleadings and Practice.

JOHN FLETCHER, LL. M.,

Real Property.

WILBUR F. HILL, LL. B.,

Equity Jurisprudence.

GEORGE W. MURPHY, LL. B.,

Law of Evidence.

TOM M. MEHAFFY, LL. B.,

Criminal Law, Practice, and Procedure.

E. W. WINFIELD, LL. B.,

Judgments.

J. F. LOUGHBOROUGH, LL. B.,

Commercial Paper, Domestic Relations.

LEWIS RHOTON, LL. B.,

Law of Torts.

DEADERICK H. CANTRELL, LL. B.,

Corporations.

T. N. ROBERTSON, LL. B.,

Agency, Insurance.

T. E. HELM, LL. B.,

Partnership.

U. of A.—5.

Lecturers.

U. S. SENATOR JAMES P. CLARKE, LL.B.

JUDGE JACOB TRIEBER, LL. B.

MORRIS M. COHN, LL. B.

GEORGE B. ROSE, LL. B.

JAMES H. HARROD, LL. B.

Purpose.

It is not the purpose of the law department of the University of Arkansas to persuade any person to study law; but the department solicits the attendance of those who have determined to take up the study, either with a view of entering the legal profession or for the practical aid a knowledge of the law will afford them in the successful prosecution of some commercial enterprise. It is to be presumed that every true son of Arkansas, who anticipates enlisting in the profession of the law within the state, has sufficient state pride to select his home institution as the proper place to prepare himself for his chosen profession, when the advantages it affords are equal, and for him, in many important particulars, superior to those of similar institutions elsewhere. Every lecturer and instructor in this department is a practicing lawyer, making a comfortable living out of his profession, and has not resorted to the law school work for the purpose of earning a livelihood, but simply for the purpose of maintaining this important department of the state University, to meet the demands of the young men who are to constitute the future lawyers of our state.

Course of Instruction.

The course of instruction covers a period of two years, consisting of four terms. We deem a shorter period insufficient for the proper preparation of the student of the law for his profession. In the language of a distinguished jurist, "He who is not a good lawyer when he comes to the bar will seldom be one afterwards." Our method of instruction consists of daily recitations upon previously assigned lessons in the text-books, with special lectures to emphasize the conclusions of the author and to enlarge the student's conception of the same. We deem the above system of instruction, with daily recitations largely predominating, superior to either the recitation or lecture system when pursued alone. In addition to the above, students are required to prepare and submit to the professors legal papers in the form of briefs upon the various topics of the text writers, thus combining the abstract theory of the law with the practical application of the same to the different sets of facts embraced in the various decisions of the courts consulted by the student while preparing his paper. The course of study for the two years will embrace the subjects named and assigned, as follows:

JUNIOR YEAR.

First Term.—Contracts, Agency, Commercial Paper, Torts, Bailment.

Second Term.—Criminal Law, Evidence, Pleading, Insurance, Partnership.

SENIOR YEAR.

First Term.—Real Property, Equity, Corporations, Domestic Relations, Frauds and Fraudulent Conveyances.

Second Term.—Real Property, Judgments and Lectures upon Constitutional Limitations, Private and Public International Law, Federal Practice, Bankruptcy, Medical Jurisprudence, Legal Ethics.

The first term of both junior and senior courses begins on the third Monday in September, and ends on the 18th of January following; the second term of each course begins on the 20th of January, and ends on the first Friday in June.

Admission.

While we fully appreciate the advantages of a thorough collegiate training in the various academic branches as a preparation for the study of the law, we have not made such acquirement a prerequisite to admission to this department. Applicants will be admitted to take up the studies of the junior course who are possessed of a fair English education, such as may be acquired in our public schools. Students may be admitted to the senior course upon producing sufficient proof of their having given the necessary time and study to the different subjects of the law, either in another law school or under the directions of a practicing lawyer, but no student will be granted the degree until he has passed a satisfactory examination on all the branches embraced in the full course for the two years.

No student will be permitted to take both the junior and senior courses in a single year, unless at the time of his admission he is a licensed attorney, or has completed in some law school, or carefully read under the directions of a reputable lawyer, as much as two-thirds of the subjects embraced in the junior course of this school or their equivalent in other subjects of the law.

List of Text-books.

Tiedeman on Real Property. Greenleaf on Evidence. Bispham's Principles of Equity. Bishop's New Criminal Law. Anson on Contracts. Mechem on Agency. Mechem's Elements of Partnerships. Tiedeman on Bills and Notes. Cook on Stock and Stockholders. Lawson on Bailments. Hale on Torts. Freeman on Judgments. Rogers on Domestic Relations. Bliss on Code Pleading. Cooley on Constitutional Limitations. Wharton on Conflict of Laws. May on Insurance. Brandenburg on Bankruptcy. Reese on Medical Jurisprudence. Federal Practice and Legal Ethics—Lectures.

Moot Courts.

Moot Courts begin with the last term of the junior year, and continue throughout the course, and shall be termed the judicial department of the school, and shall embrace all the courts—justice, probate, circuit and supreme—all modeled according to the constitutional requirements of our state.

The supreme court shall consist of three judges, a chief justice and two associates.

Circuit Court—The circuit court shall consist of one judge, a clerk and a sheriff, to be elected by the students.

County and Probate Court shall consist of one judge, a sheriff and a clerk, to be elected by the students.

Justice of the Peace Court shall consist of a member of the senior class, who shall be elected by the student body.

These courts shall be under the immediate supervision

of the dean, who will be assisted by the members of the faculty in compiling statements of facts embracing principles of law pertaining to the respective branches under their instruction, for the use of said courts.

Goar Lyceum.

This society is composed of the students of both the junior and senior years, and meets regularly every Wednesday night during the session. The exercises shall consist briefly of theses and debates embracing subjects legal in their nature. The performance of these exercises is insisted upon by the faculty, for such practice enables the student to acquire the invaluable faculty of learning "to think whilst on his feet," besides giving him an easy manner of address in public speaking.

Examinations.

Written examinations are held each term in the presence of a member of the Faculty, upon questions handed the student at the time, and on the merit of their papers students will be graded.

Degrees.

The degree of Bachelor of Laws will be conferred upon all students who have passed an examination on each of the subjects embraced in the course, and have attained the average standard grade of proficiency.

Admission to the Bar.

By a recent act of the legislature all graduates of the Law Department of the University are admitted to the practice of law in the supreme court and all inferior courts of the state without the requirement of an examination.

Class Honors.

Honorable competition is the life of all enterprise; therefore, we confer the following evidences of distinction: Upon the student attaining the highest average grade, shall be conferred the distinction of the first honor man of his class; the one attaining the next highest, the second honor man; and the one making the next highest, the third honor man.

The faculty authorizes the selection of three orators to deliver orations at the commencement exercises, as follows: The Senior Class, one; the Junior Class, one; the Goar Lyceum, one.

Advantages of Location.

An arrangement is made with the Supreme Court Clerk whereby each student may use the Supreme Court Library, the finest in the South, where almost any book on a legal subject may be found. It contains all the reports from the year books to the 68th Arkansas—about 20,000 volumes—most all the text-books from Coke to Rogers on Domestic Relations.

This being the capital city, the legislature meets here. The student may, during his course of two years, see one session of the legislature. He has a chance to see and study our state law machine, study parliamentary rules and practices, and meet representative men from all parts of the state. The acquaintance is well worth the making, and there are other pleasant associations arising from attending a home institution that are invaluable in after life.

We have the supreme court, which is in session about nine months in the year. It holds two open sessions a week, and the attendance upon this court is a good school within

itself. There is an opportunity offered for the student to hear the ablest lawyers in the state argue cases, and hear the judges render judgments and deliver opinions.

We have a federal district court, and the circuit court of appeals will hold a session there each winter. An opportunity is offered the student to observe the practice and workings of the federal court as well as that of the state. We have two state circuit courts in session about six months in the year.

A chancery court presided over by one of the ablest chancellors in the country. And the student, while studying equity, will have an opportunity to observe some of its practical workings.

A county and probate court and about fourteen justices of the peace.

There is nothing to prevent the student from acquiring all the practical knowledge that he may wish from observation and example.

An able bar, who are all kind and courteous to the student, and willing to aid him in any and every way.

A semi-tropical climate, just the place to spend a winter free from the intense cold, and a city of not sufficient size to lead him into evil associations and practices.

Professional Ethics.

While the endeavor is to impart a knowledge of the fundamental principles of the law, the subject of professional ethics will be given special attention and its demands constantly impressed upon the minds of the students as indispensable to the attainment of an honorable and successful career as a lawyer.

Tuition and Expenses.

Tuition.....	\$50 per course of one year.
Tuition.....	\$100 per course of two years.
Board and lodging.....	\$15 to \$20 per month.
Text-books, if desired by student.....	\$50 per annum.
Diploma.....	\$5.00

No library or society fees are required of students.

All communications should be addressed to the Secretary.

T. N. ROBERTSON,
Little Rock, Ark.

BRANCH NORMAL COLLEGE.

Pine Bluff, Ark.

Faculty.

ISAAC FISHER, Principal,

Mental and Moral Sciences, Literature.

* JAMES C. SMITH, A. B.,

Latin, Mathematics and Civics.

JOHN H. MICHAEL,

English Grammar, Rhetoric and Physical Sciences.

ANNA C. FREEMAN, L. I.,

Arithmetic, Geography and Drawing.

IRENA V. COLEMAN, L. I.,

History and Arithmetic.

MATTIE I. BENSON,

Dressmaking, Typewriting and Music.

Department of Mechanic Arts.

B. N. WILSON, B. Sc., M. E.,

Superintendent of Mechanic Arts.

W. S. HARRIS,

Assistant Superintendent of Mechanic Arts.

J. L. ROSS,

Instructor in Machine and Forge Shops.

General Statement.

The Branch Normal College is a department of the University of Arkansas, established pursuant to an act of the General Assembly of the State of Arkansas, approved

*Part of term.

April 25, 1873, and has been in operation since September 27, 1875. Its primary object is the training of teachers for efficient services in the colored public schools of the state—the law referred to having been enacted with special reference to the “convenience of the poorer classes.” For the purpose of carrying out the intent of the law, tuition is made free to all appointees, the only requirements for admission being suitable age and qualification, and appointment by one of the county judges, and the payment of the entrance fee of \$5. Other students pay in addition \$1 per month in advance.

Location, Etc.

The school property consists of a beautiful tract of twenty acres of ground, in the suburbs of Pine Bluff, Jefferson County, Ark., and a few rods from the junction of the Missouri Pacific and the St. Louis & Southwestern railroads. The school building, completed in 1881, and occupied January 30, 1882, is one of the handsomest educational edifices in the state, as well as one of the best, being steam heated, electric lighted, and well ventilated. It contains one large assembly room, four recitation rooms, and cloak room for males and females. The building is of brick, with slate roof and trimmings of Alabama granite, and cost, with improvements and furniture, about \$20,000. The furniture and other equipments are of the best modern style.

The dormitory, a handsome brick building of seventeen rooms, and the mechanical department building, are upon the same grounds.

Appointment of Beneficiaries.

By the laws of the State, the appointment of students to the Branch Normal College in numbers from each county in the state is the same as to the parent University at Fayetteville. The power is vested in the county courts, but any vacancies occurring during the vacations of the court shall be filled by the judge of the county court.

All students thus appointed are entitled to four years' free tuition upon the payment of \$5 matriculation fee, in advance at the time of entering the school.

These appointments are not transferable, and students holding them must be very careful that their conduct is not such as will lead to their forfeiture; and it may also be stated that the principal reserves the right to declare forfeited the appointments of those students who are not present at the opening of the autumn term.

Students planning to enter the school should go to their county judges for appointments, which, if received, must be brought to the college. Blanks for appointments may be secured by addressing Principal Isaac Fisher, Pine Bluff, Ark.

Normal Department.

The school offers a good strong course of training for those who plan to become teachers. More and more the aim will be to give scientific instruction in the matter of teaching the branches of the public schools. In the literary department, two courses are planned—one leading to the certificate of Licentiate of Instruction (L. I.) and the other to the degree of Bachelor of Arts (A. B.). Applicants must pass

a satisfactory examination in the ordinary English branches to be able to enter this department. Primary students will not be admitted.

The Mechanic Arts Department.

This department offers a splendid opportunity to young colored men to become skilled blacksmiths, machinists and engineers or firemen. The mechanic arts course and the manual training normal course are strong combinations of shop work and literary training. It is hoped these courses will from time to time attract young men who desire to fit themselves for highest usefulness by preparing for the pursuit of those occupations for which there is a strong demand. In addition to these there is offered a course in woodworking, which comprises cabinet making, pattern making and carpentry.

Department of Plain Sewing.

Young women are here given an opportunity to learn plain sewing, crocheting and art needlework. A fine outfit of sewing machines and other requisites for doing the work planned for this department comprise the equipment.

Typewriting and Stenography.

These are taught one hour each day. Shorthand classes will be formed whenever a sufficient number of students desire to pursue this study.

General Exercises.

The general exercises include reviews of the Sunday school lessons and of the events of the week; also music and drawing. There are regular lessons in vocal music which

are given to all students. Students will frequently be required to give public evidence of their skill in using the library intelligently. All exercises must be attended faithfully.

Expenses.

For all students, entrance fee, in advance.....	\$5.00
Board, fuel and light, for girls in the dormitory.....	8.00
Board, fuel and light, in private families.....	\$8 to \$10.00
Non-beneficiary students for tuition, per month.....	\$1.00

Books at usual retailers' price.

Entrance fees and board bills are payable in advance.

Parents will please send money for daughters' board direct to the Principal and not to the girls.

Calendar.

OPENING—First Monday in September.

EXAMINATION—First Week in September, Third Week in January and May.

CLOSING—First Week in June.

COMMENCEMENT—First Tuesday in June.

EXHIBITS—Shops, Needlework, Typewriting and Drawing: First Wednesday in June.

ALUMNI ASSOCIATION—First Wednesday in June.

REUNION—First Thursday in June.

REGISTER OF STUDENTS.

ABBREVIATIONS.—B. A., Bachelor of Arts; B. Ph., Bachelor of Philosophy; B. S., Bachelor of Science; M. E., Mechanical Engineering; E. E., Electrical Engineering; C. E., Civil Engineering; L. I., Licentiate of Instruction; B. S. A., Bachelor of Science in Agriculture.

NOTE.—The names of the students in the Medical and Law Departments at Little Rock, and the Branch Normal College in Pine Bluff are not included in this register, but are published in the special catalogues of these departments.

Graduates:

NAME	COURSE	POST OFFICE	COUNTY
Mooring, D. C., B. S...	M. S.	Cotton Plant ..	Woodruff.
Treadway, William A., E. E.	M. E.	Little Rock. ...	Pulaski.

Seniors.

Bates, Nora Madge.....	B. A.	Boonsboro ...	Washington.
Billings, Fred Merritt....	C. E.	Marianna....	Lee.
Blaylock, John Charles,	C. E.	Fayetteville. .	Washington.
Brewster, Hugh....	B. A.	Cane Hill..	Washington.
Bryan, Lemuel Berry	C. E.	Fort Smith ..	Sebastian.
Cartwright, Wm. W...B. A. and B. S.		Mountain View..	Stone.
Clark, Elbert..	B. S.	Waldo	Columbia.
Crozier, Elizabeth Eleanor..	B. A.	Dutch Mills ..	Washington.
Daniels, Houston T....	C. E.	Little Rock...	Pulaski.
Davis, Frank Hill....	C. E.	Lowell....	Benton.
Droke, Lelia Ruth.....	B. Ph.	Fayetteville. .	Washington.
Ellis, John Robert....	E. E.	Fayetteville. .	Washington.
Harris, William Marvin....	B. A.	Monticello..	Drew.
Holt, Fred White....	B. A.	Bellefonte	Boone.
Honnett, Alphonzo Milton	E. E.	Pine Bluff..	Jefferson.
Langford, Bertram William..	B. Ph.	Bentonville..	Benton.
Longino, Jas. Leland..E. E. and M. E.		Magnolia..	Columbia.
McGehee, Abner....	B. A.	Little Rock...	Pulaski.
Melton, Hattie Clementine....	B. A.	Fayetteville. .	Washington.
Middleton, Robert James..	C. E.	Fayetteville. .	Washington.

Mitchell, Samuel Alfred	B. Ph.	Fayetteville. .	Washington.
Muller, James Frederick	M. E.	Little Rock...	Pulaski.
Rife, Wm. Benjamin ..	B. S. and B. Ph.	Osage Mills...	Benton.
Ruggles, William Arthur	E. E.	Fayetteville. .	Washington.
Streepey, John Paul.....	B. A.	Hot Springs...	Garland.
Taylor, Rupert.....	B. A.	Jonesboro...	Craighead.
Vaulx, Susie Eugenia	B. A.	Fayetteville. .	Washington.
Womack, Joseph Pitts	B. Ph.	Centerton...	Benton.

Juniors.

Abercrombie, Jas. Scott.....	B. A.	Bryant..	Saline.
Blanchard, Fay H.	B. Ph.	Fayetteville. .	Washington.
Bloom, John Rhine	E. E.	Pine Bluff.. ..	Jefferson.
Burney, Margaret Sue....	B. A.	Green Forest...	Carroll.
Chapman, Johnson	C. E.	Lake Village...	Chicot.
Chapple, Earl White	E. E.	Little Rock...	Pulaski.
Davies, Mary Louise	B. Ph.	Fayetteville. .	Washington.
Droke, Marvin Josephine	B. A.	Fayetteville. .	Washington.
Gray, Clifton Welch	B. A.	Little Rock...	Pulaski.
Harding, Arthur McCracken	B. A.	Fayetteville. .	Washington.
Lark, William Henry	C. E.	Lancaster... ..	Crawford.
Leverett, Edward Vaulx	M. E.	Fayetteville. .	Washington.
McAlester, William Edward	E. E.	McAlester....	I. T.
McCrary, Edgar Ware	C. E.	Nashville... ..	Howard.
McMurtrey, Elisha Franklin	C. E.	Rison..	Cleburne.
Milum, Roy Wamon....	B. A.	Lead Hill	Boone.
Morrow, Hugh Ellis.. ..	B. S. A.	Fayetteville. .	Washington.
Mullins, George Walker	B. A.	Fayetteville. .	Washington.
Pratt, Fletcher Howard....	C. E.	Fayetteville. .	Washington.
Ragland, Henry Sparr	C. E.	Fayetteville. .	Washington.
Risser, Thomas Scott....	E. E.	Fayetteville. .	Washington.
Shellenberger, Alice	B. Ph.	Fayetteville. .	Washington.
Stanford, Albert Franklin	C. E.	Fayetteville. .	Washington.
Quarles, Tevie Randolph.. ..	M. E.	Fayetteville. .	Washington.
Swearingen, Samuel Conrad... ..	B. Ph.	Lee's Creek... ..	Crawford.
Vaulx, Eleanor....	B. Ph.	Fayetteville. .	Washington.
Walker, James Walter	B. A.	'Hindsville... ..	Madison.
Webster, Fay	E. E.	Marvell... ..	Phill'ps.
Wood, Chas. Fox	C. E.	Paris..	Logan.

Sophomores.

Abercrombie, Bertha.....	B. A.	Pactolas	Benton.
Austin, Robert Edward Lee.....	B. Ph.	Fayetteville. .	Washington.
Beard, Abner H.	C. E.	Wynne.....	Cross.
Carter, Edward Leroy..	B. A.	St. Paul..	Madison.
Carothers, Neil.....	B. A.	Fayetteville. .	Washington.
Clegg, Chester B.	C. E.	Siloam Springs ..	Benton.
Cromwell, Charles W.	C. E.	Fort Smith ..	Sebastian.
Croom, Cleveland W.....	B. A.	Dardanelle..	Yell.
Dickinson, William Emmett	B. A.	Horatio..	Sevier.
Dickinson, Will DeWoody	C. E.	Kingsland..	Cleveland.
Holt, James Seaborne	B. A.	Bellefonte	Boone.
Hudgins, J. Guy.....	B. A.	Fayetteville. .	Washington.
Hurst, George Abner....	B. A.	Fayetteville. .	Washington.
Jackson, Bruen Overton	B. A.	Hamburg..	Ashley.
James, John John.....	B. A.	Maysville..	Benton.
Kitchens, Benton Mackey.....	B. A.	Paragould .	Greene.
Kunz, Elmer Huett	B. A.	Fayetteville. .	Washington.
Legate, Clyde Holme.....	B. Ph.	Mena..	Polk.
McCrory, Grover Garland..	C. E.	McCrory..	Woodruff.
McGehee, Benjamin..	C. E.	Little Rock...	Pulaski.
Moore, Henrietta	B. A.	Fayetteville. .	Washington.
Morrow, Donald B....	E. E.	Booneville ..	Logan
Neeley, John E.	B. A.	Fayetteville. .	Washington.
Nelson, Jerry Rufus.....	L. I.	De Queen	Sevier.
Oakes, George Cromer....	B. A.	Pocahontas..	Randolph.
Olney, Lee S..	E. E.	Mena..	Polk.
Pratt, Darwin Hyppolyte.....	C. E.	Fayetteville. .	Washington.
Reves, Claude Myrtle	B. A.	Elmer ...	Crawford.
Roberts, K. T.	C. E.	Pine Bluff..	Jefferson.
Sadler, William Lloyd	C. E.	Little Rock...	Pulaski.
Sengel, Jerome.....	C. E.	Fort Smith ..	Sebastian.
Stone, Ben Hicks	B. A.	Fayetteville. .	Washington.
Stotts, Charles Hiram.....	B. A.	Huntsville	Madison.
Taylor, Robert Pierce....	M. E.	Siloam Springs ...	Benton.
Thomas, Bessie Leola..	B. A.	Fayetteville. .	Washington.
VanValkenburg, Horace Bull...B. Ph.		Warren	Bradley.
Whitehead, A. Dixon	C. E.	Taylor	Columbia.
Williams, Beulah	B. A.	Fayetteville. .	Washington.
Wilson, John Rufus.....	B. Ph.	Warren	Bradley.

Freshmen.

Andrix, E. B.	E. E.	Fayetteville. .	Washington.
Austin, Hamilton L.	C. E.	Van Buren... ..	Crawford.
Barrett, Frank Brown	C. E.	Jonesboro... ..	Craighead.
Blackshare, Plant Leslie....	C. E.	Crockett .. .	Clay.
Blair, Lelia....	L. I.	Van Buren... ..	Crawford.
Blair, Leora	L. I.	Van Buren... ..	Crawford.
Blevins, Annie Bell	L. I.	Dardanelle... ..	Yell.
Boles, Edwin Clifford	M. E.	Fayetteville. .	Washington.
Booker, Paul Robert....	C. E.	Washington .	Hempstead.
Borders, John Maloy.....	C. E.	Fayetteville .	Washington.
Brunskog, Karl Waldemar	C. E.	Bentonville.. .	Benton.
Buford, Charles Homer..	B. A.	Newport	Jackson.
Butler, Melvin ^(A) Davis	B. S.	Graham... ..	I. T.
Byrne, Lloyd Randolph....	C. E.	Luna	Chicot.
Caldwell, Walter O.....	M. E.	Fort Smith ..	Sebastian.
Campbell, Lonnie Lee.....	B. A.	Newport	Jackson.
Carpenter, Samuel	C. E.	Arkadelphia ..	Clark.
Castleberry, Benjamin Rex	B. Ph.	Saline....	Fulton.
Cheatham, Wilbur Richard	B. A.	Princeton	Dallas.
Clark, Lula McDonald..	B. S.	Mena..	Polk.
Cochrane, Leroy Adams....	C. E.	Shawnee..	I. T.
Coker, E. A.	C. E.	Yellville.. ..	Marion.
Cole, Mary	L. I.	Prairie Grove	Washington.
Collins, Thomas Abe	B. A.	De Queen	Sevier.
Combs, Walter	C. E.	Mountain Home ..	Baxter.
Crouch, P. M.	E. E.	Texarkana	Miller.
Cubage, John Granville.....	B. Ph.	Amity	Montgomery.
Dalton, C. E.	E. E.	Fayetteville. .	Washington.
Davies, Sam Green	B. A.	Fayetteville. .	Washington.
Davis, Barbara Claire	B. S.	Fayetteville. .	Washington.
Davis, John Benjamin....	B. S.	Fayetteville. .	Washington.
Dickinson, Horace J.....	B. A.	Kingsland ..	Cleveland.
Dickinson, W. W.	M. E.	Little Rock... ..	Pulaski.
Eason, Alcuin Pitt....	C. E.	Fayetteville. .	Washington.
Fergus, Francis Herbert....	B. A.	Elm Springs .	Washington.
Forman, Chas. Doss....	B. S. A.	Chelsea..	I. T.
Gardner, Joseph Watt....	B. A.	Salem	Fulton.
Gorman, H. F. P.	E. E.	Forrest City ..	St. Francis.

Gray, Bertha	L. I.	Hickory Valley .	Indep'nce.
Gray, Justin G.	B. A.	Hickory Valley .	Indep'nce.
Gregg, Sarah Edna	B. S.	Fayetteville. .	Washington.
Grubbs, John Monroe	B. Ph.	Moody..	Drew.
Harding, Charles P.	C. E.	Fayetteville. .	Washington.
Harkey, Millis Preston	B. A.	Harkey...	Yell.
Harrington, Roby	B. A.	Helena..	Phillips.
Harris, Loma	B. S.	Bentonville.. .	Benton.
Hatfield, S. L.	E. E.	Wagoner....	I. T.
Holland, Wyatt Cleveland	B. S.	Greenwood . . .	Sebastian.
Howard, Albert Socrates	B. S.	Ellsworth.. . .	Logan.
Hunt, Harry Gilham	B. A.	Walnut Ridge..	Lawrence.
Jacks, Maston Edwards....	B. S.	Marianna....	Lee.
Johnson, Mabel Clare	B. A.	Fayetteville. .	Washington.
Justice, Isis Blanche	B. A.	Gravette	Benton.
Lide, James	C. E.	Camden.. . . .	Ouachita.
Martin, Guy	C. E.	Powhatan . . .	Lawrence.
Mashburn, Ernest E.	C. E.	Philadelphia..	Izard.
McMurray, Henry M.	C. E.	Luna	Chicot.
Mitchell, Owen Cecil	B. S.	Fayetteville. .	Washington.
Mitchell, Lucian	C. E.	Fayetteville. .	Washington.
Mock, T. P.	E. E.	Prairie Grove	Washington.
Moore, Henrietta....	B. A.	Fayetteville. .	Washington.
Mullins, Thomas C.	C. E.	Fayetteville. .	Washington.
Myrick, C. E.	E. E.	Clarendon	Monroe.
Oates, Charles E.	L. I.	Martinville . . .	Faulkner.
O'Brien, John Joseph....	C. E.	Arcadia....	Missouri.
Payne, Brodie.....	B. A.	Hot Springs... .	Garland.
Pharr, William Rison	C. E.	Marianna....	Lee.
Phillips, Roberta Grace	B. A.	Fayetteville. .	Washington.
Pollard, Will A.	B. A.	Gaither.. . . .	Boone.
Pope, Arthur D.	B. S.	Taylor	Columbia.
Reagan, Zenas Litton.....	C. E.	Fayetteville. .	Washington.
Redden, Albert	B. A.	Harrison	Boone.
Rhea, W. H.	E. E.	Cincinnati . .	Washington.
Rowe, Prentiss Eldon....	B. S.	Greenwood . . .	Sebastian.
Sadler, Daniel Kenard....	B. A.	Booneville.. . .	Logan.
Shicker, E. B.	E. E.	Camden.. . . .	Ouachita.
Seamans, Pinkney Samuel	C. E.	Dermott.. . . .	Chicot.

Shook, Sarah	B. Ph.	Carter	Washington.
Smythe, J. L.	C. E.	Fort Smith	Sebastian.
Snapp, Walter Leek	B. S.	Bentonville	Benton.
Stanford, James Butt	B. S.	Fayetteville. . . .	Washington.
Stewart, Sanford	B. A.	Magnolia	Columbia.
Stone, Ethel	L. I.	Waldron	Scott.
Stone, James Hicks	C. E.	Fayetteville. . . .	Washington.
Triplett, Gerald	E. E.	Pine Bluff	Jefferson.
Webb, Charles Wallace	B. Ph.	Texarkana	Miller.
Weber, Louis William	B. A.	Hindsville	Madison.
Williams, Dona Ernestine	B. A.	Fayetteville. . . .	Washington.
Winters, Winston Lee	C. E.	Fort Smith	Sebastian.
Woods, C. R.	E. E.	Clarksville	Johnson.

Specials.

Adams, George Howard	Enid	Okla.
Berry, Fred Hugh	Bentonville	Benton.
Bolinger, Mae	Lead Hill	Boone.
Bourland, James	Fort Smith	Sebastian.
Brockman, Edward Wilson	Garnett	Lincoln.
Bunch, Joel Burton	Harrison	Boone.
Castleberry, William Leslie	Saline	Fulton.
Chenault, Louise Fletcher	Ashvale	Pulaski.
Chitwood, Russell Garfield	Dardanelle	Yell.
Chitwood, Zena Elizabeth	Dardanelle	Yell.
Clark, Flora Lockhart	Mena	Polk.
Cotton, Maurice Lafayette	Branch	Franklin.
Dearing, William Nelson	Wilcockson	Newton.
Douglas, Ella Marie	Rogers	Benton.
Gallaway, Margaret Bell	Fayetteville. . . .	Washington.
Gray, Lila Fillmore	Fayetteville. . . .	Washington.
Hamilton, Eileen Kathleen	Fayetteville. . . .	Washington.
Harkey, Opal Noal	Ola	Yell.
Harvey, Annette Halliday	Monte Ne	Benton.
Hutcherson, Lillian Kathaline	Fayetteville. . . .	Washington.
Ingersoll, William Henry	Berryville	Carroll.
Johnson, A. J.	Garnett	Lincoln.
Jones, Coulter W.	Lono	Grant.
Jordan, Grace	Fayetteville. . . .	Washington.

Keeney, Augusta Rothwell	Johnson .. .Washington.
King, Vera.....	Fayetteville. .Washington.
Legate, Ray H.	Mena..... .Polk.
Maguire, Eva Josephine	Fayetteville. .Washington.
McMillan, Della	Fayetteville. .Washington.
McVay, Gratton Gregory	Lehigh.. ....I. T.
McVey, George Alfred	Paris.. ....Logan.
Mitchell, Brainard	Fayetteville. .Washington.
Mitchell, Russell Constantine	Fayetteville. .Washington.
Nordmeyer, Charles Dudley	Fayetteville. .Washington.
Oliver, Bessie.....	Fayetteville. .Washington.
Peterson, William James..	Vesta.. ....Franklin.
Phillips, Charles Oliver	Fayetteville. .Washington.
Rutherford, Thomas Egbert	Hot Springs... .Garland.
Taylor, Lena	Bentonville.. .Benton.
Waddell, W. E.	Tyler ....Texas.
Watkins, Guy.....	Fayetteville. .Washington.
Wilson, Constant Perkin, Jr.	Fort Smith .. .Sebastian.
Wilson, William Oscar.....	Cabot.. ....Lonoke.
Witte, August Carl	Fayetteville. .Washington.

Short Course in Engineering.

Catts, Erwin Campbell	M. E.	Washington... Hempstead.
Chase, Guy Edwin	M. E.	Fort Smith .. .Sebastian.
Cleveland, George	M. E.	Fayetteville. .Washington.
Faucette, Karl Shurz	M. E.	Stamps ....Columbia.
Ford, E. P.	E. E.	Judsonia.. ....White.
Jackson, Wilburn	M. E.	Cane Hill.. .Washington.
Jones, R. J.	E. E.	Fayetteville. .Washington.
Kantz, Fred	E. E.	Fayetteville. .Washington.
McKennon, B. C.	E. E.	Clarksville .. .Johnson.
Mackey, Dudley Earl	M. E.	Fayetteville. .Washington.
Murph, D. H.	E. E.	Smackover.. ...Union.
Pool, R. Y.	E. E.	Cincinnati .. .Washington.

PREPARATORY SCHOOL.

ABBREVIATIONS.—A., Arts Course, leading to B. A. Course; S., Science Course, leading to B. S. Course; E., Engineering Course, leading to the Mechanical, Civil, and Electrical Engineering Courses; T., Teachers' Course.

Second Year Class.

NAME	COURSE	POST OFFICE	COUNTY
Abercrombie, Clara	S.	Pactolus	Benton.
Abraham, Howard	E.	Arkadelphia ..	Clark.
Allen, Annie Mary.....	A.	Farmington..	Washington.
Baker, Grover Clinton	E.	Harrison	Boone.
Ballard, Ben Calvin	A.	Durham	Washington.
Ballard, Jexrod Mark.....	A.	Durham	Washington.
Barham, Henry Ward	E.	Fayetteville.	Washington.
Barrett, Lou Ella.....	S.	Jonesboro..	Craighead.
Barrett, Reuben Monroe	A.	Jonesboro..	Craighead.
Barton, Maude L.	A.	Cove.. ..	Polk.
Beauchamp, John Lee	E.	Fayetteville.	Washington.
Beloate, Clarence Edgar	A.	Corning.. ..	Clay.
Bennett, Charles Galloway	A.	Batesville ..	Independence.
Berry, Jessie Harold	A.	Huntsville	Madison.
Blair, Daniel Baxter	E.	Decatur	Benton.
Blakemore, Thomas Lester	A.	Uniontown..	Crawford.
Blakemore, Loren Everett	A.	Uniontown..	Crawford.
Block, David	S.	Vanndale.. ..	Cross.
Boles, Ashleigh P.	A.	Fayetteville.	Washington.
Bolinger, Walter Allen.....	A.	Lead Hill	Boone.
Bollinger, Wallace H.	A.	Charleston ..	Franklin.
Brunson, Thomas Roselle	E.	Rock Creek	Pike.
Bryant, William Cullen....	A.	Nashville.. ..	Howard.
Buckner, George L.	E.	Dermott.. ..	Chicot.
Cabe, Robert Lewis.....	A.	Burks....	Saline.
Campbell, Mary Lenore	A.	Fayetteville.	Washington.
Carter, Hugh R.	E.	Fayetteville.	Washington.

Cartner, Edward Clinton.... .S.	Fayetteville. .Washington.
Childs, James L. .... .A.	Warren .... .Bradley.
Coker, Adam L. .... .E.	Lead Hul .... .Boone.
Coker Roy .... .E.	Lead Hill .... .Boone.
Cole, Eva .... .A.	Prairie Grove Washington.
Cook, Ira .... .E.	Fayetteville. .Washington.
Cooper, Pearl Dyer .... .A.	Antoine .... .Pike.
Craig, Bessie, .... .A.	De Queen .... .Sevier.
Craig, Marion Stark .... .A.	Jamestown .Independence
Crawford, William Reed .... .E.	Fayetteville. .Washington.
Crozier, Ruth Margaret .... .A.	Fayetteville. .Washington.
Dacus, Ira.... .S.	Alpha.. .... .Yell.
Davis, Lyta.... .S.	Fayetteville. .Washington.
Davis, W. Ross.... .A.	Lowell.... .Benton.
Deane, Ruth Elizabeth .... .A.	Fayetteville. .Washington.
Dedman, Fred Albert.... .E.	Fayetteville. .Washington.
Dickson, Alva Earl.... .A.	Bentonville.. .Benton.
Dickson, Enos Howell.... .A.	Desha .. .Independence.
Dorn, Leonard E. .... .T.	Gage .... .Okla.
Dowell, Oliver K. .... .E.	Walnut Ridge.. Lawrence.
Droke, Albert Hill.... .E.	Fayetteville. .Washington.
Droke, Mary Inez.... .A.	Fayetteville. .Washington.
Dunn, Ralph Knox .... .A.	Fayetteville. .Washington.
Edwards, W. Edward.... .A.	El Paso.. .... .Lonoke.
Elliott, Floyd .... .E.	Jonesboro.. .Craighead.
Ellis, Oscar Ferguson .... .E.	Fayetteville. .Washington.
Feathers, John Edward .... .E.	Fayetteville. .Washington.
Feldt, Louise.... .T.	St. Louis .. .... .Mo.
Field, William Terry .... .E.	Little Rock... .Pulaski.
Fine, George W. .... .T.	Rudy .... .Crawford.
Flood, Clarence Frank .... .E.	Memphis.. .... .Tenn.
Florence, Lucas Casey .... .E.	Golden City .. .... .Logan.
Ford, David Lane .... .A.	Cecil.. .... .Franklin.
Fry, Joseph E. .... .E.	Cedarville Crawford.
Fry, Rayburn Henry.... .A.	Atkins.. .... .Pope.
Fulks, Webster Raleigh .... .A.	Pauline .... .Franklin.
Galloway, Samuel A. .... .S.	Fort Smith .. .Sebastian.
Garrett, Forrest Agrippa.... .A.	South McAlester ....I. T.
Gatling, Richard Jordan.... .S.	Bearden.. .Ouachita.

Gentry, Dick.....	A.	Antoine	Pike.
Gray, Lillie	A.	Hickory Valley .	Indep'nce.
Greathouse, Ollie May.....	A.	Johnson ..	Washington.
Gregg, Alfred Welch.....	A.	Fayetteville.	Washington.
Grundy, Edmund J.	S.	Mammoth Spring.	Fulton.
Hamby, Randolph P.....	E.	Prescott..	Nevada.
Harding, Vernon Alexander	A.	Fayetteville.	Washington.
Harrison, Ralph Y.	A.	Fayetteville.	Washington.
Harvey, Ben	S.	Douglas .	Lincoln.
Henry, Alonzo Fernando	S.	Lecont..	Pulaski.
Hicks, Everette Burnett	S.	Searcy.....	White.
Hollabaugh, Cleveland B.	E.	Marshall..	Searcy.
Holland, Robert Chester	S.	Greenwood ..	Sebastian.
Holthoff, Claude H.	S.	Avery..	Lincoln.
Hughes, Leslie Claire	S.	Fayetteville.	Washington.
Hunter, Oscar Luther	A.	Branch..	Franklin.
Hurst, J. H.	E.	Clarendon..	Monroe.
Jewell, Howard.....	A.	Paris..	Logan.
Johnston, James Henry	S.	Auvergne..	Jackson.
Jones, Benjamin Franklin....	T.	Durham	Washington.
Jones, George Fleming	A.	Frank..	Pulaski.
Jones, Ralph R	E.	Fayetteville.	Washington.
Jordan, Edna Garlington	A.	Blakemore	Lonoke.
Jordan, Emmett.....	E.	Lockesburg..	Sevier.
Keener, Joseph Lafayette	A.	Minnie	Howard.
Kilgore, James Ollie	E.	Fayetteville.	Washington.
Lowe, Clinton.....	E.	Vineyard..	Lee.
Mahoney, Ferry O.	A.	El Dorado	Union.
Martin, Reginald A.	E.	Vanndale..	Cross.
McCartney, Jessie Lou....	A.	Fayetteville.	Washington.
McDermott, Ben.....	E.	Dermott..	Chicot.
Mercer, Charles Franklin	E.	Dermott..	Chicot.
Meyers, Joseph Cleveland	E.	Helena.....	Phillips.
Milner, Dufer Jackson.....	E.	Milner	Columbia.
Mitchell, Sibyl Audrey....	A.	Fayetteville.	Washington.
Mons, Leo Arthur	E.	Little Rock...	Pulaski.
Morgan, William Sydney....	A.	Chickalah	Yell.
Morley, Arthur.....	E.	Fayetteville.	Washington.
Munn, James Madison....	E.	Prescott..	Nevada.

Neal, Geneva.....A.	Warren .....Bradley.
Neelly, Mary Helen .....A.	Fayetteville. .Washington.
Norman, Olivia....A.	Fayetteville. .Washington.
Oliver, Margaret Rachel.....A.	Fayetteville. .Washington.
Parsons, Harriet V.....A.	Fayetteville. .Washington.
Payne, Samuel S. ....E.	Fayetteville. .Washington.
Pearson, John B. ....S.	Poplar Grove . . .Phillips.
Pope, Jake George .....E.	TaylorColumbia.
Pritchard, Virgil Felton .....E.	Springdale .. Washington.
Pruett, John Riley....E.	Denning.... Franklin.
Pruett, Grover Cleveland....E.	Denning.. . . .Franklin.
Pye, George.....A.	Sweet Home ....Pulaski.
Ragland, Fannie Marie .....A.	Fayetteville. .Washington.
Read, Alicia Johnston....A.	Fayetteville. .Washington.
Reed, Kenneth Abram.....E.	Gregory .....Woodruff.
Revel, John William.....E.	Augusta.. ....Woodruff.
Reynolds, Eddie Almon....A.	Branch.. . . .Franklin.
Rhyne, James R. ....E.	Ben Lomond.. ....Sevier.
Risser, Elizabeth Inez....A.	Fayetteville. .Washington.
Ross, Harvey J.....E.	Cane Hill.. .Washington.
Ross, Jewell .....A.	Cane Hill.. .Washington.
Rowell, Fred Cleveland .....S.	Pine Bluff.. ....Jefferson.
Russell, George Clinton.....S.	Joella.... ..Lafayette.
Rye, Gordan W. ....A.	London.. . . .Pope.
Salyer, Cora.....T.	Hindsville .. . .Madison
Sanders, Lucy Edna....A.	Fayetteville. .Washington.
Shinn, Erwin Henry.....A.	Russellville ....Pope.
Shore, Rena Buchanan.....A.	Fayetteville. .Washington.
Smith, Andrew Graham....S.	Wesley .....Madison.
Smith, Charles Edgar.....A.	Marion ....Crittenden.
Smith, Elmer Clifton....A.	Sidney .....Sharp.
Smith, Hamilton G. ....E.	Camden.. . . .Ouachita.
Smith, Jessie.....A.	Fayetteville. .Washington.
Snead, Albert Lee .....A.	Fayetteville. .Washington.
Solomon, Henry.....E.	Helena.. ....Phillips.
Stacy, Hal.....T.	Vanndale.. . . .Cross.
Stanley, Joseph H. ....A.	Augusta.. ....Woodruff.
Stanley, Thomas Edward.....S.	Augusta.. ....Woodruff.
Stockton, Ethel Julia.....T.	Alston .....Franklin.

Stockton, Finis Ewing.....S.	Cecil.. ....Franklin.
Swagerty, Alice Esther .....A.	Fayetteville. .Washington.
Tillman, Fred Allen.....A.	Fayetteville. .Washington.
Tillman, John Walker.....A.	Fayetteville. .Washington.
Trigg, John Walker.....S.	Texarkana ....Miller.
Trigg, Thomas Edwards .....S.	Texarkana .. ..Miller.
Trumbo, Estella .....A.	Fayetteville. .Washington.
Tyson, William Claude....E.	Buena Vista ....Ouachita.
Van Valkenburg, William M. ....E.	Warren .. ..Bradley.
Veazey, Norman Everett....E.	Dardanelle.. ....Yell.
Waddell, Elbert W. ....A.	Monticello.. ....Drew.
Waddell, William Seward...E.	Tyler ....Texas.
Watts, James Samuel....A.	Durham .. .Washington.
White, Emmett Lee .....A.	Waterproof ....Lonoke.
Whitlow, Charles Birnie .....E.	Fayetteville. .Washington.
Whitmore, Willie Leora....A.	Fayetteville. .Washington.
Whittenburg, Sallie.✓.....S.	Elm Springs ..Washington.
Wilkinson, David Homer .....E.	Hartford .. ..Sebastian.
Williams, Hosea L. ....A.	Fayetteville . Washington.
Williams, Joel M. ....S.	Wilks .. ..Union.
Williams, Roy Welch ....S.	Fayetteville . Washington.
Wilson, J. Melvin .....S.	Evening Shade.. .Sharp.
Wilson, J. Thad .....S.	Sheridan .. ..Grant.
Wilson, Nellie Dickson ....A.	Fayetteville . Washington.
Winborne, John Newton....A.	Waterproof.. ....Lonoke.
Womack, William Vance.....A.	Centerton .. ..Benton.

First Year Class.

Abercrombie, Earl.....E.	Pactolus.. ....Benton.
Abercrombie, Margaret E. ....S.	Bryant.. ....Saline.
Allen, Luther Hampton .....E.	Gravette ....Benton.
Alley, Elijah W. ....A.	Mena.... ....Polk.
Alston, William Corder .....S.	Chappel Hill ....Sevier.
Askew, John Henry.....E.	Camden.. ....Ouachita.
Austell, Tom....E.	Wynne....Cross.
Baker, Emmett .....E.	Fayetteville. .Washington.
Baker, Lacy Robert .....E.	Fayetteville. .Washington.
Ballard, Lydia.....S.	Durham .. .Washington.
Barnes, Elbert L. ....E.	Vandervoort .....Polk.

Barrett, Arthur James....	S.	Jonesboro..	...Craighead.
Barringer, Katherine Louise.....	A.	Fayetteville.	.Washington.
Barron, Bertha Lee	S.	Fayetteville.	.Washington.
Barry, Lucile Leila....	A.	Fayetteville.	.Washington.
Barry, Vera Belle....	S.	Fayetteville.	.Washington.
Baum, Florence M.....	S.	Fayetteville.	.Washington.
Beach, William A.	E.	Grand Lake..	...Chicot.
Bell, James Walton.....	E.	Fayetteville.	.Washington.
Bennett, Elijah Deo	A.	Buffalo Lick	Poinsett.
Bethune, David Shaw	E.	Portland ....	...Ashley.
Bishop, James Maloy....	E.	Fayetteville.	.Washington.
Boardman, Clyde S.....	S.	El Paso	Faulkner.
Bowden, Edward B.	E.	Lewisville..	...Lafayette.
Branch, James Archer....	S.	Branch..	...Franklin.
Brewer, Cortez Irving.....	E.	Murfreesboro..	...Pike.
Brown, Elizabeth Ellen....	A.	Fayetteville.	.Washington.
Bryant, John Arthur....	E.	Fayetteville.	.Washington.
Burris, William S.	T.	Stuart..	...Iowa.
Burrows, Homer Tolbert	S.	Healdton..	...I. T.
Cannon, Roy	E.	Fayetteville.	.Washington.
Cawood, Tom.....	E.	Maysville ....	...Benton.
Chandler, James Ewing	E.	Fayetteville.	.Washington.
Clark, Thomas E.	E.	Goshen..	...Washington.
Cleveland, Bessie..	A.	Fayetteville.	.Washington.
Collier, Lester	E.	Tupelo .....	...Jackson.
Conway, Grover.....	E.	Murfreesboro..	...Pike.
Cook, R. Wallace....	E.	Fayetteville.	.Washington.
Cooper, Annie E.	S.	Fayetteville.	.Washington.
Cooper, Archie Percival	E.	Antoine..	...Pike.
Coulter, David Butler	S.	White Cliffs ....	...Sevier.
Cox, Mattie.....	S.	Fayetteville.	.Washington.
Crawford, Ell.....	S.	Sulphur City .	.Washington.
Cromwell, Robert M.	E.	Fort Smith ..	...Sebastian.
Crouch, Blanch Lee	S.	Fayetteville.	.Washington.
Crouch, Leslye	S.	Fayetteville.	.Washington.
Dabney, James Carson.....	E.	Vicksburg ....	...Miss.
Dacus, Erma.....	S.	Alpha..	...Yell.
Dacus, Olie Estes	S.	Alpha..	...Yell.
Darter, John Wilson	E.	Black Rock..	...Lawrence.

Davis, Arthur C.	A.	Fayetteville. .	Washington.
Delozier, Cora....	A.	Elm Springs .	Washington.
Eason, J. Thomas	E.	Fayetteville. .	Washington.
Ellis, Josephine....	S.	Fayetteville. .	Washington.
Evins, Eula Kate....	S.	Fayetteville. .	Washington.
Evins, Phebe.....	S.	Fayetteville. .	Washington.
Faulkner, Nathan Black	S.	Cherry Valley ..	Cross.
Finlay, David Mills....	E.	Hope	Hempstead.
Frost, C. W.	E.	Habberton ...	Washington.
Fraser, Leving Roscoe....	E.	Monette	Craighead.
Gates, Lawrence	E.	Fayetteville. .	Washington.
Gean, Houston.....	S.	Darysaw	Grant.
Gray, Albert.....	A.	Hickory Valley Independ'ce	
Grayson, Harry Cicero...	E.	Paragould .	Greene.
Grundy, Archie M.	E.	Fayetteville. .	Washington.
Hall, Leroy Pierce.....	E.	Austin	Lonoke.
Hardy, Dewitt H.	E.	Crawfordsville .	Crittenden.
Harper, Walter C.	T.	Enola	Faulkner.
Harris, Clara Elizabeth	A.	Fayetteville. .	Washington.
Harris, Julia Francis....	T.	Durham .. .	Washington.
Harvey, Frank P.	A.	Lake Village	Chicot.
Hendrickson, Roy Martin....	S.	Martinville... .	Faulkner.
Herron, Clarence.....	E.	Bentonville.. .	Benton.
Hervey, Afton.....	E.	Morrilton	Conway
Hewett, Pearl Forest..	E.	Fayetteville. .	Washington.
Hight, William Clarence ..	E.	Fayetteville. .	Washington.
Holbrook, Sanford Corey	E.	Booneville.. .	Logan.
Holcomb, Joe L.	E.	Springdale ..	Washington.
Hope, John Marven	S.	Hurricane	Saline.
Horner, John Sydney	E.	Lake Village	Chicot.
Hudgins, Ella Blanche.....	A.	Mena.....	Polk.
Isom, John	S.	Sedgwick	Craighead.
James, Rex Esmerald....	E.	Graysville	Benton.
Johnson, Estey Mary	A.	Fayetteville. .	Washington.
Johnson, Freeman Lee	E.	Hatfield	Polk.
Johnson, Lena		Delight	Pike.
Johnson, Priscilla	A.	Fayetteville. .	Washington.
Jones, Claud.....	A.	Pauline....	Franklin.
Jones, Thomas Jefferson	S.	De Queen	Sevier.

Jordan, Flossie Turner.....	A.	Blakemore	Lonoke.
Jordan, James K.	A.	Blakemore	Lonoke.
Keith, William J.	E.	Malvern	Hot Spring.
Kunz, Katie Janette.....	A.	Fayetteville. .	Washington.
Lankford, Cora May	S.	Fayetteville. .	Washington.
Lankford, Millie Annie	S.	Fayetteville. .	Washington.
Larrabee, Roy Ashley	E.	Fayetteville. .	Washington.
Lash, Charles Edwin.....	E.	Little Rock... ..	Pulaski.
Lee, Theron Edward	E.	Linwood	Chicot.
Less, Jake.....	E.	Walnut Ridge..	Lawrence.
Less, Morris.....	E.	Walnut Ridge..	Lawrence.
Lester, Alice.....	T.	Fayetteville. .	Washington.
Leverett, Blanche.....	A.	Fayetteville. .	Washington.
Leverett, Charles Deane.....	A.	Fayetteville. .	Washington.
Lewis, Charles H.	A.	Atkins.. ..	Pope.
Little, Milford	S.	Summers	Washington.
Long, Lexie W.	S.	Fayetteville. .	Washington.
Manahan, Samuel C.	E.	Lenapah	I. T.
Mann, Myrtle C.	T.	Winslow... ..	Washington.
Martin, Herbert.....	S.	Martinsville.. .	Faulkner.
Martin, Samuel F.	E.	Fayetteville. .	Washington.
Masters, Effie	S.	Durham	Washington.
Mays, Ed.....	S.	Duff	Searcy.
McBee, Victor	E.	McBee's Landing .	Marion.
McClellan, Stephen F.	E.	Claremore	I. T.
McCloud, William Daniel	E.	Staunton ...	Washington.
McCoy, Carlos	E.	Johnson	Washington.
McCoy, Myrtle.....	S.	Johnson	Washington.
McKean, David Felix.....	E.	De Queen	Sevier.
McKinley, James M. C.	E.	Garfield	Benton.
McMillan, Fred Lee	E.	Mena.. ..	Polk.
McWilliams, William F.	S.	El Dorado	Union.
Meden, Carrie.....	S.	Fayetteville. .	Washington.
Miller, Myrtle Ellen	A.	Fayetteville. .	Washington.
Milum, Sella	T.	Lead Hill	Boone.
Mitchell, Addie	T.	Fayetteville. .	Washington.
Mitchell, Ollie	A.	Maysville	Benton.
Moore, Mary Elsie.....	..	Fayetteville. .	Washington.
Neal, William Harrison	E.	Cedarville.. ..	Crawford.

Newton, Jasper Curtis	E.	Portland	Ashley.
Norman, Felix Augustus	E.	Fayetteville.	Washington.
Oliver, John A.	A.	Clifty..	Madison.
Orrell, R. Jeff	E.	Morrilton	Conway.
Parks, Clinton	E.	Fayetteville.	Washington.
Peck, Jennie T.	A.	Fayetteville.	Washington.
Phillips, Myrtle Lee	T.	Rogers..	Benton.
Plummer, James Robert.. ..	E.	Huntsville	Madison.
Pond, Hugh J.	S.	Fayetteville.	Washington.
Portnell, J. Roy	E.	Fayetteville.	Washington.
Read, Laura Elizabeth	A.	Fayetteville.	Washington.
Reeves, John Arthur	E.	El Dorado	Union.
Rhyne, John T.	E.	Ben Lomond.. ..	Sevier.
Ross, Sam.....	E.	Cane Hill.. ..	Washington.
Roulhac, Joseph P. G.....	A.	Staunton ...	Washington.
Russell, Samuel Pennington.....	E.	Joella....	Lafayette.
Rye, J. Cleveland....	A.	London....	Pope.
Sanders, Albert Manning....	E.	Fayetteville.	Washington.
Sanders, Pearl Matilda....	S.	Fayetteville.	Washington.
Scott, John Walker....	E.	Bradford	Jackson.
Sedwick, James E.	E.	Fayetteville.	Washington.
Shelton, William Theodore....	S.	Webb City	Franklin.
Sherrod, Willie Vernon	E.	Goshen.. ..	Washington.
Shultz, Harry Everest	E.	Fayetteville.	Washington.
Shultz, Howard Lee....	E.	Fayetteville.	Washington.
Simmons, James Felix	E.	Tupelo	Jackson.
Simpson, Donnie....	A.	Huntsville	Madison.
Skirving, George Wood	E.	Huntington	Sebastian.
Slade, Carter G.	E.	McMurrain	Union.
Smith, Grover Britton....	S.	Malvern	Hot Spring.
Spears, Bruce W.....	A.	Keeville..	Monroe.
Stacy, Charley....	S.	Cherry Valley	Cross.
Stanley, Edward Morris.....	E.	Marianna....	Lee.
Stewart, Lena Prairie....	A.	Horsehead	Columbia.
Stone, Fannie Rhea.....	S.	Fayetteville.	Washington.
Stubblefield, Etalee.. ..	A.	Fayetteville.	Washington.
Stuckey, Henry David....	S.	Braden.. ..	I. T.
Sturdivant, Robert W.	E.	McCrory..	Woodruff.
Summers, Charles C.	E.	Roseville	Logan.

Sutton, Edith.....	A.	Fayetteville ..	Washington.
Taylor, Martin	A.	Taylor	Columbia.
Tharp, Mattie Irene.....	A.	Fayetteville ..	Washington.
Tolley, John Hiram.....	E.	Eureka Springs ..	Carroll.
Trent, Bessie.....	A.	Fayetteville.	Washington.
Trent, Mamie	A.	Fayetteville ..	Washington.
Trott, Hardin Henry.....	E.	Vinita.....	I. T.
Trussell, John Wesley.....	A.	Price.. ..	Hot Spring.
Tucker, George Reginald.....	E.	Portland	Ashley.
Utley, Robert L.	T.	Blaine.. ..	Logan.
Vandiver, Garland E	S.	Harrisburg ..	Poinsett.
Wade, Lila.....	A.	Fayetteville ..	Washington.
Waltrip, Joe Birk	S.	Gwynn	Sebastian.
Watson, Edmond Penn.....	E.	Bentonville.. ..	Benton.
Wieners, Fred Bernard	A.	Fayetteville ..	Washington.
Wells, William.....	E.	Portland	Ashley.
Whitaker, Calvin.....	E.	Stilwell	I. T.
Whitaker, Jessie.....	S.	Stilwell	I. T.
White, Pearl.....	S.	Fayetteville ..	Washington.
Whitehead, Nellie.....	S.	Fayetteville ..	Washington.
Wilkinson, Henry Lee.....	S.	Hartford	Sebastian.
Williams, Walter Quincy.....	E.	Fayetteville ..	Washington.
Willis, John Edmond.....	S.	Mena....	Polk.
Wilson, Frank.....	E.	Fayetteville ..	Washington.
Wilson, Henry J.....	E.	Warren	Bradley.
Wilson, William Albert.....	A.	Warren	Bradley.
Winn, Virgil Emery.....	A.	Eufaula.....	I. T.
Wood, John Proudfit.....	E.	Fayetteville ..	Washington.
Woods, John Rudolph.....	A.	Clarksville ..	Johnson.
Yarbrough, Charles S.	E.	Elliott.....	Ouachita.

Students of Harmony and History of Music.

Keeney, Gussie.

Taylor, Lena.

Students in Piano.

Blevins, Annie B.

Leverett, Nina.

Bolinger, May.

Mackey, Lura.

Cooper, Pearl.

Miller, Myrtle.

Douglass, Ella.

Mitchell, Sibyl.

Droke, Leila.

Moore, Elsie.

Gregg, Edna.

Smith, C. E.

Harris, Clara.

Stone, Allie.

Hutcherson, Lillian.

Taylor, Lena.

Johnson, Lena.

Williams, Donna.

Keeney, Gussie.

Students in Violin.

Hamilton, Eileen.

Moore, J. F.

Students in Mandolin.

Bourland, James.

Moore, Henrietta.

Students in Guitar.

Maguire, Eva.

Pearson, John.

McMillan, Fred.

Students in Vocal Music.

Cox, Mattie.

Robinson, Myrtle.

Evins, Phebe.

Smith, C. E.

Garrett, F.

Solomon, H.

Gray, C.

Stone, Rhea.

Mitchell, B.

Swearingen, S. C.

Moore, Elsie.

Williams, Beulah.

Morrow, L.

Wilson, J. R.

Neal, Geneva.

Students in Expression.

Blair, L.	Stockton, E.
Barton, M.	Smith, E.
Bates, M.	Solomon, H.
Cox, M.	Stone, E.
Cole, M.	Stacy, E.
Delozier, Cora.	Williams, B.
Gray, L.	Whitehead, N.
Mackey, L.	King, V.
Ross, J.	Salyer, Cora.

Students in Oratory.

Bennett, C. E.	Legate, C.
Brockman, E. W.	Legate, R.
Bryant, W. C.	McVey, Geo.
Brewster, H.	Mackey, E.
Cotton, M. L.	Mitchell, B.
Carter, E. L.	Nordmeyer, C. D.
Cheatham, W. R.	Oliver, J. A.
Edwards, W. E.	Oates, C. E.
Fergus, F. H.	Pope, A. D.
Garrett, F. A.	Peterson, W. J.
Gray, J. G.	Pollard, W. A.
Gray, Clifton.	Reaves, C. M.
Henry, A. F.	Sadler, D. K.
Howard, A. S.	Stanford, Jas.
Holthoff, C. H.	Swearingen, S. C.
Hurst, A. G.	Tolley, H.
Harris, W. M.	White, E. L.
Ingersoll, W. H.	Wilson, J. R.
Jones, G. F.	Wilson, W. O.
Johnson, J. H.	Winn, V. E.
Keenan, T. N.	Winburne, J. N.

Students of Physical Culture.

Abercrombie, Bertha.	King, Vera.
Barry, Lucile.	Mitchell, Sibyl.
Blevins, Annie M.	Meden, Carrie.
Barron, Bertha.	Mackey, Lura.
Baum, Florence.	Moore, Elsie.
Crozier, Ruth.	Oliver, Rachel.
Craig, Bessie.	Peck, Dora.
Cleveland, Bessie.	Risser, Elizabeth.
Droke, Mary.	Ross, Jewell.
Gray, Lelia.	Smith, Jessie.
Gallaway, Margaret.	Simpson, Donnie.
Harris, Loma.	Shore, Rena.
Harris, Clara.	Stone, Ray.
Jordan, Grace.	Stone, Ethel.
Johnson, Estey.	Whitmore, Willie.

Students of Art.

Bunch, Burton.	Hill, Lola.
Barry, Lucile.	McCartney, Stella
Blair, Leora.	McIlroy, Cornelia.
Blair, Leila.	Nelson, R. J.
Blevins, Annie.	Oates, C. E.
Cleveland, Bess.	Peterson, W. J.
Carothers, Stewart.	Phillips, Myrtle.
Clark, Lula.	Stone, Ethel.
Clark, Flora.	Shore, Rena.
Cole, Marv.	Streepy, Paul.
Deane, Ruth.	Stone, Hicks.
Chitwood, Zena,	Kolb, Sallie.
Cochrane, Leroy.	Sutton, Edith.
Gregg, Annie.	Vandeventer, Geraldine.
Gregg, Mildred.	

SUMMARY OF STUDENTS.

Collegiate Department.

Graduates	2
Seniors	28
Juniors	29
Sophomores	39
Freshmen	90
Short Course in Engineering	12
Specials	44
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	244

Preparatory Department.

Second Year Class	170
First Year Class	197
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	367

Total in College and Preparatory Department	611
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Students of Instrumental Music	42
Students of Vocal Music	22
Students of Elocution, Oratory and Physical Culture	90
Students of Art	29

Total	183
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Names counted twice	165
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Total Number of Students in the Departments at Fayetteville	629
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Medical Department (Little Rock)	236
Law Department (Little Rock)	39
Branch Normal (Pine Bluff)	180

Grand Total	1084
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ALUMNI ASSOCIATION.

The object of this association is to maintain the interest of the graduates in the institution and bring them into a closer relation with the University. To this end all graduates are regarded as members. The association holds annually a meeting and a banquet at some time during Commencement week. The officers are as follows:

J. F. Moore, 1893, President.

Miss Jobelle Holcomb, 1898, Secretary.

Miss Naomi J. Williams, 1880, Treasurer.

List of Alumni.

George Carl Abernathy, B. A., 1900, Law Student, University of Pennsylvania.

Don C. B. Aiken, C. E., 1889, Civil Engineer.

Rathburn Alden, B. A., 1902, Assistant Cashier, Grove Bank, Grove, I. T.

Edna Allen, B. A., 1896, Teacher, Muscogee, I. T.

L. S. Anderson, B. L. L., 1884, Clerk in Land Office, Washington, D. C.

J. D. Arbuckle, B. A., 1892, County Clerk, Paris, Ark.

C. F. Armistead, B. A., 1893, Captain in U. S. Army.

L. R. Ash, B. C. E., 1893, Draftsman, Waddell & Hedrick, Kansas City, Mo.

George H. Askew, B. A., 1898, Insurance Agent, Fayetteville, Ark.

Nancy E. Askew, B. A., 1901, Mrs. C. N. Weems, Little Rock, Ark.

W. H. Askew, B. A., 1897, Lawyer, Magnolia, Ark.

W. E. Ayers, B. C. E., 1898, Osceola, Ark.

Nettie Barnett, B. L., 1876, Mrs. C. P. Boles, Fayetteville, Ark.

Ida Barr, B. S., 1896, Mrs. R. E. Bagby, Cameron, Mo.

R. B. Barton, B. Ph., 1902, Deputy County Clerk, Marion, Ark.

C. O. Bates, B. A., 1883, Professor of Chemistry, Coe College, Cedar Rapids, Iowa.

J. H. Bates, B. A., 1886, Lawyer, Corsicana, Texas.

J. W. Baxter, B. A., B. S., 1902, Principal North School, Fayetteville, Ark.

J. D. Beakley, B. Ph., 1902, England, Ark.

Mary Beattie, B. A., 1896, Teacher, Deaf Mute School, Flint, Michigan.

J. C. Bell, B. A., 1894, Physician, Frazier, Tenn.

M. L. Bell, B. A., 1898, Lawyer, Pine Bluff, Ark.

A. W. Bevers, B. A., 1898, Principal Public School, Springdale, Ark.

Blanche Bibb, B. A., 1893, Mrs. G. A. Humphreys, New York.

J. W. Black, B. A., 1892, Lawyer, McAlester, I. T.

W. I. Blackwell, B. C. E., 1892, Engineer, Golden Lake, Ark.

J. H. Blair, B. C. E., 1899, Assistant Engineer, Metropolitan Street Railway Co., Kansas City, Mo.

Nora Blakely, B. A., 1878, Mrs. H. M. Hudgins, Fayetteville, Ark.

*W. P. Booth, B. A., 1882.

Alice Borden, 1877.

J. A. Bostick, B. S., 1901, Medical Student, Little Rock, Ark.

Laura D. Botefuhr, 1875, Mrs. G. W. Schulte.

Preston Bowles, B. C. E., 1888, Civil Engineer, Tishomingo, I. T.

W. E. Boyd, B. A., 1896, Lawyer, Cooper, Texas.

Amanda Braly, B. S., 1896, Washington, D. C.

Etta Braly, B. S., 1896, Mrs. Thomas McColloch, Cane Hill, Ark.

E. H. Braly, B. A., 1894, with O. & C. C. Ry. Construction Department, Fayetteville, Ark.

*Deceased.

E. K. Braly, B. M. E., 1897, World's Fair Offices, St. Louis, Mo.
O. P. Brewer, B. S., 1893, Webber's Falls, I. T.

O. D. Briggs, B. A. and B. Ph., 1902, Garner, Ark.

A. M. Brixey, B. A., 1890, Hardware Dealer, Mounds, I. T.

Edgar Thurman Brown, C. E., 1900, Assistant Engineer B. &
O. R. R., Pittsburg, Pa.

F. I. Brown, B. M. E., 1902, Student, Cornell University, Ithaca,
N. Y.

H. S. Brown, M. E., 1901, Mechanical Engineer, Brooklyn, N. Y.

W. D. Brown, B. A., 1882, Physician, Newtonia, Mo.

H. E. Buchanan, B. A., 1902, Graduate Student, University of
Chicago.

H. M. Butler, B. A., 1879.

J. L. Campbell, B. A., 1897, Traveling Salesman, Greenwood,
Ark.

*E. B. Carden, B. L., 1877.

*Ella Carnall, A. M., 1881.

A. H. Carrigan, B. A., 1882, Lawyer, Wichita Falls, Tex.

Ann E. Carson, 1875, Mrs. John Knight, Jonesboro, Ark.

Augusta O. Carson, 1875, Mrs. T. W. Cline, Downey, Cal.

C. K. Chanslor, B. A., 1882, Cashier, Farmers' & Merchants'
Bank, Cassville, Mo.

W. R. Cherry, B. A., 1882.

W. Clancy, Jr., B. C. E., 1902, Mining Engineer, Butte, Montana.

V. H. Cochrane, B. C. E., 1901, Draftsman, Waddell & Hed-
rick, Kansas City, Mo.

J. T. Collier, B. A., 1901, Principal of Schools, Charleston,
Ark.

Sydney Connelly, B. A., 1900, Farmer, Poplar Grove, Ark.

Jessie Cravens, B. L. L., 1883, Mrs. O. Cravens, Neosha, Mo.

W. A. Crawford, B. A., 1901, Principal of Schools, Arkadelphia,
Ark.

A. B. Crozier, B. E. E., 1897, Electrical Engineer, S. & S. Pack-
ing Co., New York.

*Deceased.

Wm. N. Crozier, B. A., 1888, Clergyman, Conway, Mo.

R. N. Cummings, B. A., 1898, Medical Student, Denver, Col.

Lula Curry, B. S., 1892, Mrs. G. L. Teller, Chicago, Ill.

Mike Danaher, B. A., 1888, Lawyer, Pine Bluff, Ark.

Hadgie B. Davies, B. A., 1893, Adjunct Professor of English and Modern Languages, University of Arkansas.

Lila Davies, B. A., 1896, Mrs. Claude Head, Texarkana, Ark.

J. H. Davis, B. E. E., 1901, Electrical Engineer, Altoona, Pa.

B. F. Davis, B. A. and B. S., 1901, Benton County, Ark.

Lizzie P. Davis, 1875, Mrs. R. C. Brown, Florence, Ariz.

Ruth Anna Dickinson, B. A., 1900, Mrs. Elliott Berry, Bentonville, Ark.

Thomas Tiller Dickinson, B. A., 1900, Law Student, Little Rock, Ark.

W. E. Dixon, B. A., 1888, Teacher, Waldo, Ark.

C. H. Drake, B. C. E., 1891, and C. E., 1894, Engineer, Helena, Ark.

N. F. Drake, B. C. E., Professor of Geology and Mining, Imperial University, Tien-tsin, China.

C. J. Drees, B. E. E., 1896, Member of Arkansas Electric Manufacturing Co., Little Rock, Ark.

G. W. Droke, A. M., 1880, Professor of Mathematics, University of Arkansas.

W. H. Duncan, B. L. L., 1884, Lawyer, Conway, Ark.

Mallie Dyer, B. A., 1894, Professor of English and German, Florida State College, Tallahassee, Fla.

Clara Earle, B. A., 1896, Professor of English, Cumberland University, Lebanon, Tenn.

*W. L. Edmiston, B. L. L., 1884.

Amanda A. Eld, B. A., 1898, Teacher, Tuskahoma, I. T.

C. J. Eld, B. C. E., 1896, Electrical Engineer American Water Works & Guaranty Co., St. Joseph, Mo.

George W. Eld, B. M. E., 1900, Engineer, with Armour Packing Co., St. Joseph, Mo.

*Deceased.

F. W. Ellis, B. A., 1881, Lieutenant U. S. Army, Fayetteville, Ark.

W. Y. Ellis, B. E. E., 1902, Electrical Engineer, Eufala, I. T.

W. W. England, B. A., 1883.

A. T. Erwin, B. S., 1901, Assistant Professor in Horticulture, State Agricultural College, Ames, Ia.

*C. R. Fillmore, B. S., 1899.

L. F. Fishback, B. S., 1889, Lawyer, Alvin, Tex.

J. C. Floyd, B. A., 1879, Lawyer, Yellville, Ark.

W. M. Flynn, B. A., 1888, Teacher, Kennedale, Texas.

W. A. Freeman, B. A. and B. S., 1901, Teacher in Philippine Islands.

Rowena M. Gallaway, B. A., 1902, Teacher, Presbyterian College, Milford, Tex.

J. R. Gannaway, B. A., 1890, Lawyer, Member of Legislature, Warren, Ark.

D. A. Gates, B. A., 1884, County Judge Desha County, Arkansas City, Ark.

F. I. Gibson, B. S., 1902, Chemist, Ferro-Steel Co., Cleveland, Ohio.

J. E. Gibson, B. M. E., 1894, Engineer American Pipe & Manufacturing Co., Philadelphia, Pa.

W. P. Goodwin, B. L. L., 1884, Lawyer, Warren, Ark.

Belle L. Gordon, B. A., 1876, Librarian, Chicago, Ill.

W. D. Gray, B. A., 1900, Student, Cornell University, Ithaca, N. Y.

C. D. Greaves, B. A., 1883, Lawyer, Hot Springs, Ark.

*Alfred W. Gregg, B. A., 1876.

Andrew S. Gregg, B. A., 1878, Physician, Fayetteville, Ark.

L. W. Gregg, B. A., 1882, Lawyer, Fayetteville, Ark.

C. E. Hall, B. C. E., 1893, D. & R. Ry., Dardanelle, Ark.

H. J. Hall, B. A., 1894, Editor, Waldron, Ark.

W. J. Hamilton, B. A., 1892, Principal of Public Schools, Huntington, Ark.

*Deceased.

Lena J. Hardin, B. A., 1902, Teacher, Southwestern Academy, Magnolia, Ark.

Nina V. Hardin, B. A., 1902, Student Medical College, Kansas City, Mo.

Agnes Harris, B. A., 1876, Mrs. W. T. Johnson, 3560 North Broadway, Kansas City, Mo.

Sara F. Harris, B. A., 1876, Mrs. C. P. Conrad, 3560 North Broadway, Kansas City, Mo.

*Grace Harrison, B. S., 1889, Mrs. T. L. Brown.

J. H. Harrod, B. A., 1879, Lawyer, Little Rock, Ark.

J. C. Hart, B. A., 1885, Chancellor, Little Rock, Ark.

J. T. Hawkins, 1879, Physician, Mount Holly, Ark.

J. D. Head, B. A., 1894, Lawyer, Columbia, Ark.

J. A. Heberly, B. S., 1893, Chemist, Germany.

I. G. Hedrick, C. E., 1892, Firm of Waddell & Hedrick, Consulting Engineers, Kansas City, Mo.

G. D. Henderson, B. A., 1901, Law Student, Little Rock, Ark.

W. Rhodes Hervey, B. S., 1890, Lawyer, Santa Anna, Cal.

E. W. Hillis, B. L. L., 1884, Lawyer, Jonesboro, Ark.

*J. H. Hobbs, B. A., 1888.

W. D. Hobbs, B. A., and B. S., 1901, Teacher in Philippine Islands.

Daniel Hon, B. A., 1882, Lawyer, Waldron, Ark.

Cener Holcomb, B. A., 1892, Mrs. E. F. Ellis, Springdale, Ark.

Jobelle Holcomb, B. A., 1898, Teacher, Clarksville, Ark.

John Lyford Hornor, B. A., 1900, Lawyer, Helena, Ark.

Frank Horsfall, B. S., 1900, Missouri State Fruit Experiment Station, Mountain Grove, Mo.

S. A. Horton, B. A., 1891, Lawyer, Fairview, Ark.

Edward Howell, B. A., 1901, Teacher, Southwest Virginia Institute, Bristol, Va.

J. W. Howell, B. S., 1897, First Lieutenant, 4th Infantry, U. S. Army.

W. H. Hudgins, B. C. E., 1901, Civil Engineer, A. & C. Ry., Hope, Ark.

*Deceased.

J. H. Hudson, B. L. L., 1884, Farmer, Dardanelle, Ark.

R. W. Huie, Jr., B. A., 1899, Banker, Arkadelphia, Ark.

G. A. Humphreys, B. A., 1890, Physician, New York City.

Edgar Jennings, B. A., 1877.

Gustave Jones, B. L. L., 1882, Lawyer, Newport, Ark.

Albert P. Johnson, B. A., 1876, Lawyer, Winfield, Kansas.

*T. M. Johnson, B. L. L., 1880.

G. H. Kimball, B. C. E., 1892, Engineer, Little Rock, Ark.

Artelle Alice King, B. L. L., 1880, Mrs. J. C. Belt, Broken, I T.

E B. Kinsworthy, B. L. L., 1885, ex-Attorney General of the State of Arkansas; Lawyer, Little Rock, Ark.

F. B. Kirby, B. A., 1899, Medical Student, Washington University, St. Louis, Mo.

T. B. Kitchens, A. M., 1880, Banker, Paragould, Ark.

Ella Lake, B. L. L., 1884, Mrs. S. W. Barnett, Fayetteville, Ark.

W. H. Langford, B. A., 1880, Banker, Pine Bluff, Ark.; Member of Board of Trustees, University of Arkansas.

R. S. Lander, B. C. E., 1902, Engineer, St. L. & S. F. Ry., Memphis, Tenn.

J. A. Lanier, B. A., 1882.

Abbie Leverett, B. A., 1894, Mrs. John H. Taff, Shafter, Tex.

Mary Leverett, B. A., 1886, Mrs. J. A. Taff, Washington, D. C.

Rose C. Leverett, B. A., 1897, Mrs. T. A. Edwards, Cordell, Okla.

D. B. Lipsey, B. S., 1896, Bookkeeper, Conner & Co., Fayetteville, Ark.

S. E. Marrs, B. A., 1879, Editor of the Democrat; Secretary of the Board of Trustees, University of Arkansas, Fayetteville, Ark.

J. C. Marshall, M. A., 1879, Lawyer, Little Rock, Ark.

Mack Martin, M. E., 1891, Mechanical Engineer, 3130 High St., Denver, Col.

Pearl Martin, B. S., 1893, Teacher, Fayetteville, Ark.

Collin Massie, B. A., 1877, Salesman, Fayetteville, Ark.

*Deceased.

J. E. Martineau, B. A., 1896, Lawyer; Member of Arkansas Legislature, Little Rock, Ark.

J. F. Mayes, B. A., 1883, Lumber Dealer, Fayetteville, Ark.

W. Ross McCain, M. A., 1898, Lawyer, Little Rock, Ark.

J. L. McConnell, B. C. E., 1902, with Waddell & Hedrick, Kansas City, Mo.

J. B. McDonough, B. A., 1882, Read & McDonough, Attorneys, Fort Smith, Ark.

W. R. McFarlane, B. A., 1882, Lawyer, Greenwood, Ark.

Charles F. McKinney, 1875, Firm of Ferguson-McKinney Dry Goods Co., St. Louis, Mo.

J. C. McNeely, B. C. E., 1889, Planter, Rackensack, Ark.

Dane A. McNeill, B. M. E., 1897, Superintendent of Factory, Salem, Ohio.

C. McRae, B. C. E., 1901, Levelman, U. S. Geological Survey, Washington, D. C.

Elmer Daniel Means, B. A., 1900, Teacher, Paris, Ark.

W. M. Mellette, B. L., 1877, Mellette & Smith, Attorneys, Vinita, I. T.

Mai Middleton, B. A., 1886, Mrs. R. Chasteen, Pawnee, Okla.

H. P. Mobberly, B. C. E., 1894, R. R. Civil Engineer, Texarkana, Tex.

E. L. Mock, B. A., 1894, Houston, Texas.

Lucy B. Mock, B. A., 1894, Prairie Grove, Ark.

B. L. Moore, B. A., 1900, Law Student, Van Buren, Ark.

J. F. Moore, B. S., 1893, Chemist, Arkansas Experiment Station, Fayetteville, Ark.

J. H. Moore, B. S., 1893, Chemist, Mathieson Alkali Chemical Company, Saltville, Va.

J. I. Moore, B. A., 1881, Lawyer, Helena, Ark; Speaker House of Representatives.

J. L. Moore, B. M. E., Draftsman, Westinghouse Manufacturing Co., Pittsburg, Pa.

Lucy J. Moore, 1875, Mrs. J. G. Ross, Fayetteville, Ark.

D. C. Mooring, B. S., 1902, Graduate Student, University of Arkansas.

D. C. Morrow, B. E. E., 1897, Engineer, Eureka Springs, Ark.

Mattie W. Morrow, B. S., 1890, Mrs. J. Wilson, Fayetteville, Ark.

*Sara Mulholland, B. A., 1886, Mrs. J. F. Mayes, Fayetteville, Ark.

Leo J. Mundt, B. A. and B. S., 1901, Helena, Ark.

A. J. Myar, B. C. E., 1896, Engineer with St. Louis Bridge & Iron Co., St. Louis, Mo.

W. H. Neal, B. L., 1876, Lawyer, Van Buren, Ark.

A. J. Newman, B. A., 1891, Lawyer, Little Rock, Ark.

L. L. Newman, B. E. E., 1901, Electrical Engineering Department, Pennsylvania Ry. Co., Altoona, Pa.

George Nichols, B. A., 1898, Journalist, Denver, Colo.

E. P. Notrebe, 1885, Physician, Kansas City, Mo.

T. F. Oats, B. A., 1892, Physician, Mexia, Texas.

Ora Obenshain, B. S., 1889, Teacher in Public Schools, Eureka Springs, Ark.

Charles Hector Orto, B. A., 1900, with Pulaski Trust Co., Little Rock, Ark.

Ida Pace, B. A., 1888, Mrs. A. H. Purdue, Fayetteville, Ark.

Daisy B. Patterson, B. A., 1899, Teacher, Galloway College, Searcy, Ark.

C. C. Patton, B. A., 1891, Lawyer, Hillsboro, Ohio.

L. Alice Patton, A. M., 1879, Teacher, Prairie Grove, Ark.

Mattie J. Patton, B. L. L., 1880, Mrs Chas. Jenkins, Denver, Col.

Thos. A. Pettigrew, A. M., 1878, Lawyer, Charleston, Ark.

Harry Pharr, B. C. E., 1893, C. E., 1900, Chief Engineer St. Francis Levee Board, Southern Express Building, Memphis, Tenn.; Member of the Board of Trustees of the University of Arkansas.

J. S. Pharr, B. A., 1892, Assistant Engineer St. Francis Levee Board, Southern Express Building, Memphis, Tenn.

R. E. Philbeck, B. A., 1900, Instructor, Preparatory Department, University of Arkansas.

*Deceased.

J. W. Pickel, B. A., 1882, Physician for Crystal Plate Glass Company, Crystal City, Mo.

R. T. Pitman, B. S., 1894, Chemist, Sloss Iron & Steel Company, Birmingham, Ala.

*Alice Polson, B. S., 1888, Mrs. W. C. Hutchinson.

W. W. Powell, B. A., 1888, Lawyer, Batesville, Ark.

C. G. Price, B. A., 1898, Bookkeeper for Yowell & Williams, Little Rock, Ark.

W. E. Pruitt, B. C. E., 1897, Draftsman, Waddell & Hedrick, Kansas City, Mo.

Lizzie Purdy, B. S., 1900, Mrs. Dr. Darden, Carey, Miss.

Anna Putman, M. A., 1875, Mrs. Chas. M. King, Greenwood, Ark.

W. H. Rattenbury, B. A., 1900, Lawyer, Los Angeles, Cal.

J. L. Redus, B. A., 1896, Lead Hill, Ark.

G. W. M. Reed, Jr., B. L. L., 1884, Census Office, Washington, D. C.

Lina X. Reed, B. A., 1881, Teacher, Hot Springs, Ark.

*Maggie Reed, B. A., 1878, Mrs. Presley Crawford.

O. S. Rieff, B. A., 1881, Lawyer, Little Rock, Ark.

P. A. Rodgers, B. A., 1892, Farmer, Gravett, Ark.

H. L. Ross, B. A., 1901, Student Theological Seminary, Richmond, Va.

Lucy I. Ross, B. A., 1901, Student, University of Chicago.

W. A. Ross, B. A., 1898, Student Theological Seminary, Richmond, Va.

*Z. C. Ross, A. B., 1880.

Lawrence Russell, A. B., 1880, Lawyer, Russellville, Ark.

C. L. Sadler, B. C. E., 1901, Topographer, U. S. Geological Survey, Washington, D. C.

C. F. Sanders, B. A., 1899, Principal Whittington School, Hot Springs, Ark.

T. E. Sanders, B. S. and B. Ph., 1901, Hot Springs, Ark.

G. C. Schoff, B. C. E., 1888, Civil Engineer, Babcock-Wilcox Co., Philadelphia, Pa.

*Deceased.

T. D. Sedwick, B. A. and B. S., Chemist, Stover Manufacturing Company, Freeport, Ill.

G. C. Shell, B. L. L., 1882, Lawyer, Lake Village, Ark.

A. W. Shreve, B. C. E., 1891, County Surveyor, Washington County, Farmington, Ark.

H. B. Shreve, B. C. E., 1891, Beulah, Colo.

*W. D. Simms, B. L., 1877.

*Alice Simonds, B. S., 1896. Mrs. A. V. Smith.

G. V. Skelton, B. C. E., 1891, Civil Engineer, Professor of Mathematics, Agricultural College, Corvallis, Oregon.

J. E. Skelton, B. S., 1897, Chemist, Roane Steel & Iron Company, Rockwood, Tenn.

Ida Slagle, B. A., 1889, Mrs. W. J. Gilbreath, Rogers, Ark.

Chester Collins Sloan, B. S., 1900, Medical Student, University of Pennsylvania.

A. V. Smith, B. A., 1898, Teacher in the Philippines.

C. D. Smith, B. A., 1902, Geologist, Stephens, Ark.

Fannie Marie Smith, B. A., 1901, El Dorado, Ark.

E. L. Spencer, B. A., 1898, Teacher, Crowley Ridge Institute, Forrest City, Ark.

Henry Stroup, B. A., 1883, Lawyer, Paris, Ark.; Member of the Board of Trustees of the University of Arkansas.

Demie Tee Stubblefield, B. A., 1901, Fayetteville, Ark.

G. Stubblefield, B. C. E., 1902, Instructor in Civil Engineering Department, University of Arkansas.

Mabel Sutton, B. A., 1902, Teacher, Public Schools, Little Rock, Ark.

Wm. S. Sutton, A. M., 1878, Professor of Pedagogy, University of Texas.

*Albert Taff, B. C. E., 1890.

J. L. Taff, B. A., 1884, Teachers' Agency, Austin, Texas.

Mary Taff, B. A., 1889, Mrs. G. V. Skelton, Corvallis, Oregon.

Lou Taliaferro, B. L. L., 1883, Stenographer, Kansas City, Mo.

E. L. Taylor, B. L., 1876, Lawyer, Bentonville, Ark.

*Deceased.

Daniel Webster Taylor, B. A., 1900, Bookkeeper, Pine Bluff, Ark.

C. V. Teague, B. A., 1879, Lawyer, Hot Springs, Ark.

Annie Cyna Thomason, B. A., 1900, Bookkeeper, Fayetteville, Ark.

B. J. Tillar, B. A., 1886, Capitalist, Fort Worth, Texas.

J. N. Tillman, B. L. L., 1880, District Judge, Fayetteville, Ark.

George Franklin Towler, B. A., 1900, Law Student, Little Rock, Ark.

Theo. C. Treadway, B. C. E., 1901, with Little Rock Telephone Company, Little Rock, Ark.

William A. Treadway, B. E. E., 1900, Electrical Engineer, Instructor in Electrical Engineering, University of Arkansas.

Lee Treadwell, C. E., 1888, Engineer with John Pierce, Contractor, U. S. Navy Yard, Portsmouth, N. H.

S. C. Treadwell, B. A., 1894, Lawyer, Tishomingo, I. T.

Chas. H. Triplett, B. A., 1901, in business, Pine Bluff, Ark.

A. M. Vance, B. C. E., 1893, Engineer Missouri Pacific Railroad, Carthage, Mo.

James Vandeventer, B. S., 1893, U. S. Army.

George Vaughan, B. A., 1896, Lawyer, Lockesburg, Ark.

Julia Vaulx, B. A., 1892, Professor of English, Coe College, Cedar Rapids, Iowa.

Katherine D. Valux, B. A., 1897, Teacher, Fayetteville, Ark.

S. F. Vaulx, B. A., 1892, Bookkeeper, Bluff City Lumber Company, Pine Bluff, Ark.

Annie Waggener, B. L., 1877, Mrs. Marcus, Cincinnati, Ark.

W. J. Waggener, A. M., 1876, Professor of Natural Philosophy, University of Colorado, Boulder, Colo.

J. V. Walker, B. A., 1877, Lawyer, Fayetteville, Ark.

C. A. Watson, B. A., 1877, Teacher, Fayetteville, Ark.

J. J. Watson, B. A., 1881, Teacher, Stockton, Cal.

G. A. Warren, B. L., 1888, Physician, Imboden, Ark.

A. W. Wasson, 1902, Theological Student, Vanderbilt University, Nashville, Tenn.

Olive S. Webster, B. A., 1901, Marvell, Ark.

J. N. Wheeler, B. A., 1890, Capitalist, Warren, Ark.

C. N. Weems, B. A., 1899, Professor, Military Institute, Little Rock, Ark.

Pearle Wiley, B. S., 1902, Teacher of Science, Galloway College, Searcy, Ark.

Winona May Wiley, B. A., 1899, Teacher, Little Rock, Ark.

W. N. Wilkinson, B. A., 1901, Charleston, Ark.

Hattie Williams, B. A., 1898, Teacher, Texarkana, Ark.

Jennie Williams, B. A., 1896, Teacher, Texarkana, Ark.

Naomi J. Williams, M. A., 1880, Fayetteville, Ark.

*R. H. Willis, B. A., 1888, Ph. D., 1896.

H. H. Wilson, B. E. E., 1901, Electrical Engineer, Pennsylvania Ry., Altoona, Pa.

A. C. Wood, B. M. E., 1892, Engineer, Philadelphia, Pa.

B. F. Wood, B. E. E., 1893, Assistant Engineer, Pennsylvania Ry., Altoona, Pa.

C. D. Wood, B. A., 1879, Associate Justice Supreme Court of Arkansas.

Guy B. Wood, B. A., 1899, Kansas City Southern Railway Office, Texarkana, Ark.

W. H. Woodall, B. A., 1885, Principal Female College, Lake City, Fla.

C. D. Woolverton, B. L. L., 1885, Teacher, Center Ridge, Ark.

Daisy Young, B. A., 1900, Springdale, Ark.

*Deceased.

NOTE.—The President will be pleased to receive information as to the address and occupation of those alumni for whom these data are wanting. The alumni are especially requested to give notice of any omission or errors in the foregoing list, or any changes made during the ensuing year.

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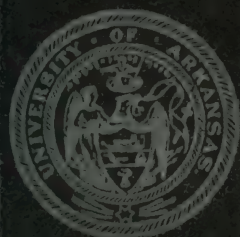
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FOUNDED



March 27, 1871

CATALOGUE UNIVERSITY OF ARKANSAS

1903-1904

CATALOGUE
OF THE
UNIVERSITY OF ARKANSAS

THIRTY-FIRST EDITION



FOUNDED MARCH 27, 1871

FAYETTEVILLE, ARKANSAS

1903-1904

THE
ARKANSAS DEMOCRAT
PUBLISHED

PRESS OF
Arkansas Democrat Co.,
LITTLE ROCK.



MAP OF

ARKANSAS.

Showing Location of

UNIVERSITY OF ARKANSAS

AT FAYETTEVILLE.

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THE J. N. MATTHEWS CO., BUFFALO, N. Y.

SCALE OF STATUTE MILES

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BRASS

1" = 100 Miles

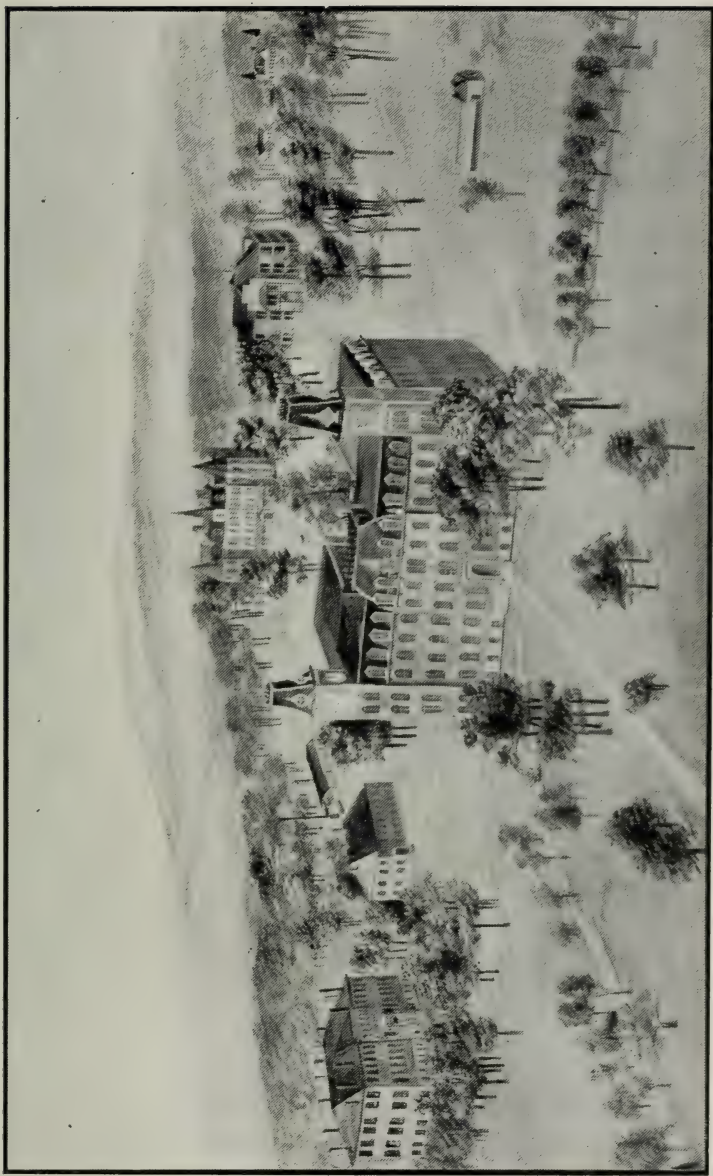
1" = 100 Miles

Agricultural Experiment Station

New Dormitory

Buchanan Hall

Mechanical Hall

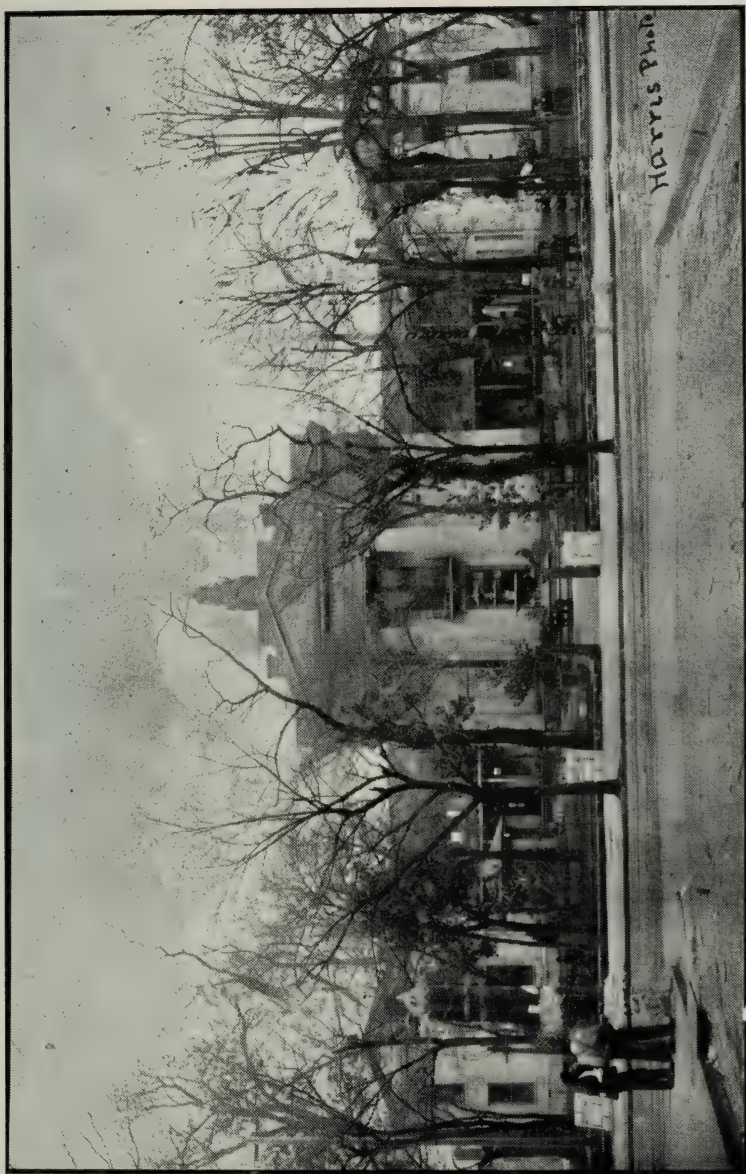


Engineering Hall

Science Hall

UNIVERSITY HALL

Horticultural Building



STATE CAPITOL WITH SUPREME COURT LIBRARY IN WHICH LAW SCHOOL LECTURES ARE GIVEN.



Harris photo.

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- Science Hall.
- Engineering Hall.
- Mechanical Hall.
- Buchanan Hall.
- New Dormitory.
- Agricultural Buildings.
- Horticultural Building.

University Library.

Laboratories:

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- Physical Laboratory.
- Biological Laboratory.
- Geological Laboratory.
- Mechanical Engineering Laboratory.
- Electrical Engineering Laboratory.
- Civil Engineering Laboratory.
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Goar Lyceum.
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1904

1905

JANUARY

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CALENDAR 1904-1905.

1904

Sept. 14, Wednesday—ACADEMIC YEAR BEGINS in all Departments at Fayetteville.

Sept. 14-17, Wednesday to Saturday—Examinations for admission to B. A., B. S., Engineering, Normal and Preparatory Courses.

Sept. 19, Monday—Fall Term begins in the Law School, Little Rock.

Oct. 17, Monday—Regular Session begins in the Medical School, Little Rock.

Nov. 24, Thursday—Thanksgiving Day—a holiday.

Dec. 23-30, Thursday, 3:25 p. m., to Wednesday, Inclusive—Vacation in all Departments at Fayetteville.

1905

Jan. 20, Friday—First Term Examinations begin in the Departments at Fayetteville.

Jan. 21, Saturday—Fall Term of Law School ends.

Jan. 23, Monday—Spring Term of Law School begins.

Jan. 28—First Term ends in all Departments at Fayetteville.

Jan. 30, Monday—Second Term begins in all Departments at Fayetteville.

Feb. 22, Wednesday—Washington's Birthday.

March 27, Monday—Thirty-fourth Anniversary of the Foundation of the University of Arkansas.

April 15, Saturday—Regular Session ends in the Medical School, Little Rock.

May 1, Monday—Last Day for Receiving Essays for the William Jennings Bryan Prize.

May 30, Tuesday—Memorial Day—a holiday.

June 1, Thursday—Second Term Examinations begin in the Departments at Fayetteville.

June 2, Friday—Spring Term of Law School ends.

June 3, Saturday—Memorial Day—a holiday.

June 11, Sunday—Baccalaureate Sermon, U. of A. Chapel.

June 15, Thursday—COMMENCEMENT.

DEPARTMENTS OF THE UNIVERSITY.

The University comprehends the following departments:

At Fayetteville:

THE COLLEGE.

THE PREPARATORY SCHOOL.

THE CONSERVATORY OF MUSIC AND ARTS.

THE AGRICULTURAL EXPERIMENT STATION.

At Little Rock:

THE MEDICAL SCHOOL.

THE LAW SCHOOL.

At Pine Bluff:

THE BRANCH NORMAL COLLEGE.

PART I.

Officers and Students

AND

Recipients of Degrees.

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS.

HIS EXCELLENCY, JEFFERSON DAVIS, Governor
of Arkansas Little Rock.

HON. G. T. BRECKINRIDGE First District.
Paragould.

HON. W. H. LANGFORD Second District.
Pine Bluff.

HON. C. C. HAMBY Third District.
Prescott.

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HON. J. C. MITCHELL Fifth District.
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Mountain Home.

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Ex-Officio President.

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On Finance.

J. C. MITCHELL. H. STROUP. G. T. BRECKINRIDGE.

On the Branch Normal College.

GOVERNOR DAVIS. C. C. HAMBY. W. H. LANGFORD.

On the Agricultural Department.

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A. E. SWEATLAND, M. D.,

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Steele, Asa George, B. S., 1901. University of Missouri . . .	M. S.	Rogers	Benton
Sutton, Mabel, B. A., 1902 . . .	M. A.	Fayetteville . . .	Washington

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Davis, Carl Gay	B. A.	Fayetteville . . .	Washington
Davis, Lyta	B. A.	Fayetteville . . .	Washington
Davis, Walter	B. C. E.	Batesville	Independence
Deane, Ruth Elizabeth	L. I.	Fayetteville . . .	Washington
Deane, Sydney E.	B. C. E.	Fayetteville . . .	Washington
Dickson, Enos Howell	B. E. E.	Desha	Independence
Droke, Mary Inez	B. A.	Fayetteville . . .	Washington
Dunn, Ralph Knox	B. A.	Fayetteville . . .	Washington
Dutton, Roy	B. S.	Newport	Jackson
Elkins, Everett Martin	B. E. E.	Magazine	Logan
Fraser, Dewitt Clinton	B. S.	Monette	Craighead
Friedell, Julian Dupree	B. C. E.	Texarkana	Miller
Fry, Joseph Elmer	B. C. E.	Cedarville	Crawford
Fulks, Webster Raleigh	B. A.	Pauline	Franklin
Gammill, Geneva	B. A.	Wetumka	Ind. Ter.
Garrett, Forrest Agrippa	B. A.	So. McAlester	Ind. Ter.

Name	Course	Postoffice	County
Gatling, Richard Jordan	B. S.	Bearden	Ouachita
Grace, George	B. C. E.	So. McAlester	Ind. Ter.
Green, Henry L.	B. E. E.	Searcy	White
Gregg, Alfred Welch	B. S.	Fayetteville	Washington
Harding, Vernon Alexander	B. E. E.	Fayetteville	Washington
Harkey, Roscoe Lehigh	B. S.	Ola	Yell
Harrod, John Quincy Adams	B. A.	Cascade	Faulkner
Haskell, Lucie Pomeroy	B. A.	Fayetteville	Washington
Hastings, James Neill	B. A.	Jonesboro	Craighead
Hillman, Charles Clark	B. A.	Almyra	Arkansas
Hughes, Leslie Claire	B. S.	Fayetteville	Washington
Hurst, John H.	B. E. E.	Clarendon	Monroe
Hurt, Garland	B. E. E.	Newport	Jackson
Hutchinson, Frederick McAlpine			
	B. C. E.	Nashville	Howard
Hyatt, Robert Fee	B. A.	Monticello	Drew
Ingram, Cecil	B. E. E.	Lavaca	Sebastian
Johnson, Mabel Claire	B. A.	Fayetteville	Washington
Johnston, James Henry	B. S.	Auvergne	Jackson
Jordan, Edna Garlington	B. A.	Fayetteville	Washington
Jordan, Emmett	B. M. E.	Lockesburg	Sevier
Keener, Joseph Lafayette	B. A.	Minnie	Howard
Key, Kerr Cosby	L. I.	Fayetteville	Washington
Kilgore, James Olley	B. C. E.	Fayetteville	Washington
King, James Berry	B. C. E.	Harrison	Boone
Lefler, George Filmore	B. S.	Scotland	Van Buren
Lemoyne, Morand Walton	B. C. E.	Dardanelle	Yell
Lester, Herman L.	B. C. E.	New Lewisville	Lafayette
Loman, Eugene Meyer	B. C. E.	Lonoke	Lonoke
Magoffin, Eben	B. Mi. E.	Duluth	Minnesota
Mahony, Joseph Kirby	B. A.	El Dorado	Union
McCullough, Dodridge	B. A.	Marianna	Lee
McKinney, (Miss) Charlie	L. I.	Bellefonte	Boone
McVay, George Alfred	B. E. E.	Paris	Logan
Meadors, Mamie Edyth	B. A.	Fayetteville	Washington
Mercer, Charles Franklin	B. C. E.	Dermott	Chicot

Name	Course	Postoffice	County
Mitchell, Nolan Dickson	B. C. E.	Greenway	Clay
Mitchell, Owen Cecil	B. S.	Fayetteville	Washington
Mock, Thomas Jefferson D. P. . .	B. E. E.	Fayetteville	Washington
Morgan, William Sydney	B. A.	Chickalah	Yell
Morley, Arthur	B. C. E.	Fayetteville	Washington
Murphy, Clifton R. B.	B. C. E.	Pine Bluff	Jefferson
Murphy, John William	B. E. E.	Onanale	Texas
Newsom, Eugene	B. S.	Paragould	Greene
Norman, Olivia	L. I.	Fayetteville	Washington
Orr, Milan Kenard	B. M. E.	Little Rock	Pulaski
Parker, Arthur Clarence	B. E. E.	Paris	Logan
Pearson, Hubert Sylvester	B. C. E.	Rhea	Washington
Phillips, Roberta Grace	L. I.	Fayetteville	Washington
Poole, George	B. E. E.	Cincinnati	Washington
Pope, Jacob George	B. C. E.	Taylor	Columbia
Poynor, Francis Quitman	B. A.	Clarksville	Johnson
Pye, George P.	B. A.	Sweet Home	Pulaski
Reed, Kenneth Abram	B. E. E.	Gregory	Woodruff
Reinberger, Maurice Lee	B. A.	Pine Bluff	Jefferson
Rhyne, James R.	B. C. E.	Ben Lomond	Sevier
Rice, Walter B.	B. E. E.	Brightwater	Benton
Risser, Elizabeth Inez	B. A.	Fayetteville	Washington
Rodgers, William Fanna	B. C. E.	Pottsville	Pope
Ross, James Edgar	B. C. E.	Cane Hill	Washington
Ross, James Harvey	B. M. E.	Cane Hill	Washington
Ruff, David Henry	B. A.	Dover	Pope
Sanders, Lucy Edna	B. A.	Fayetteville	Washington
Shore, Rena Buchanan	B. A.	Fayetteville	Washington
Sivley, George Murphy	L. I.	Ellsworth	Logan
Smilie, Robert Percy	B. C. E.	Leslie	Searcy
Smith, Elmer Clifton	B. C. E.	Sydney	Sharp
Snell, Virgil Kleabor	B. C. E.	Gathers	Boone
Spradlin, Bruce A.	L. I.	Franklin	Izard
Stanley, Joseph H.	B. A.	Augusta	Woodruff
Stelzner, William Boyd	B. E. E.	Anadarko	Okla. Ter.
Thomas, Louise	B. A.	Clarendon	Monroe
Tidball, Nell	B. A.	Baldwin	Washington

Name	Course	Postoffice	County
Tillman, Fred Allan.....	B. A.	Fayetteville . . .	Washington
Tillman, John Wallace	B. A.	Fayetteville . . .	Washington
Trigg, John Walter	B. M. E.	Texarkana	Miller
Trigg, Thomas Edward	B. A.	Texarkana	Miller
Tucker, Marshall Ernest	B. A.	Magazine	Logan
Tyson, William Claud	B. C. E.	Buena Vista	Ouachita
Umbaugh, Ollie Laura	B. A.	Springdale	Washington
Van Valkenburgh, William Moore			
.....	B. E. E.	Warren	Bradley
Veazy, Norman Everett	B. C. E.	Dardanelle	Yell
Watson, John Thomas	B. C. E.	Little Rock	Pulaski
Webster, William Vashni . . .	B. C. E.	Siloam Springs	Benton
Wilkinson, David Homer	B. S.	Fayetteville . . .	Washington
Williams, Donna Ernestine . . .	B. A.	Fayetteville . . .	Washington
Williams, James Henry	B. A.	Marianna	Lee
Wilson, James Melvin	B. S.	Evening Shade	Sharp
Witt, Earl	B. A.	Mount Ida	Montgomery
Wood, Harry Kincaid	B. A.	Searcy	White
Worthington, Hall Vincent . .	B. C. E.	Harrison	Boone
York, Joseph Othel	B. A.	Bellefonte	Boone
Young, George W.	B. E. E.	Clarendon	Monroe

Specials.

Albright, Ella	Barren Fork	Izard
Beard, Scott Oscar	Palestine	St. Francis
Berry, Fred Hugh	Bentonville	Benton
Carson, Ira Cromley	Johnston	So. Carolina
Castleberry, Benjamin Rex	Salem	Faulkner
Cox, Mattie	Fayetteville . . .	Washington
Dickinson, William Wallace	Little Rock	Pulaski
Florence, Thomas Lee	Greenwood	Sebastian
Forrest, Daisie E.	Huntsville	Madison
Gray, Stella	Batesville	Independence
Hanley, Sylvanus Phillips	Helena	Phillips
Harvey, Frank P.	Lake Village	Chicot
Henderson, Clay Sloan	Imboden	Lawrence
Hill, John William	Cotton Plant	Woodruff
Holland, Robert Chester	Greenwood	Sebastian

Name	Postoffice	County
Hutcherson, Lillian Kathleen.....	Fayetteville . . .	Washington
Johnson, Arthur Joe	Garnett	Lincoln
Koenigsbruck, Martha M.	Fayetteville . . .	Washington
Lannan, Dennis Edman	Odell	<i>Illinois</i>
Mackey, Lura	Fayetteville . . .	Washington
Mahony, Ferry O.	El Dorado	Union
Mesler, Rector Dural	Fayetteville . . .	Washington
Moore, Henrietta	Cincinnati	Washington
Moore, Jesse Warren	Arkadelphia	Clark
Morgan, Mary Louise	Indianapolis	<i>Indiana</i>
Nordmeyer, Charles Dudley	Fayetteville . . .	Washington
Pfeifer, James J.	Little Rock	Pulaski
Prall, George Virgil	Jonesboro	Craighead
Pratt, C. L.	Fayetteville . . .	Washington
Ross, Jewell	Fayetteville . . .	Washington
Sanders, Eunice Ethlyn	Fayetteville . . .	Washington
Seamans, Pinckney Samuel	Dermott	Chicot
Shook, Sarah	Sulphur City	Washington
Smith, Charles Edgar	Marion	Crittenden
Smith, Rey	Wagoner	<i>Ind. Ter.</i>
Sneed, Albert Lee	Fayetteville . . .	Washington
Solomon, Henry	Helena	Phillips
Squier, Elizabeth	Eureka Springs	Carroll
Stanley, Thomas Edward	Augusta	Woodruff
Watkins, Guy	Columbia	<i>Missouri</i>
Watkins, James Samuel	Waldo	Columbia
Watkins, Thomas Allen	Searcy	White
Webster, Fay	Marvell	Phillips
Whitehead, Alexander Dixon	Taylor	Lafayette
Wood, Clark	Paris	Logan

Short Course in Mechanical Engineering.

Block, David	Vanndale	Cross
Burkey, Henry	Fayetteville . . .	Washington
Catts, Edwin Campbell	Washington	Hempstead
Chase, Guy Edwin	Fort Smith	Sebastian
Mackey, Dudley Earle	Fayetteville . . .	Washington
Shivel, Otto Lee	Galena	<i>Kansas</i>

Short Course in Electrical Engineering.

Name	Postoffice	County
Bennett, Elmo James	Paris	Logan
Boazman, Alexander Walthall	Augusta	Woodruff
Byrne, Lloyd Randolph	Luna Landing	Chicot
Cox, Howard Harrilton	Lamar	Johnson
Hooper, Edward Kenneth	Fayetteville	Washington
Kantz, Frederick	Fayetteville	Washington
Lowe, Clinton	Vineyard	Lee
Marre, Angelo	Little Rock	Pulaski
Martin, Reginald Albert	Wynne	Cross
Martin, Samuel F.	Chicago	Illinois
McCloud, Benjamin J.	Winslow	Washington
McCloud, William D.	Winslow	Washington
McDermott, Ben	Dermott	Chicot
McKean, Doyert Felix	De Queen	Sevier
McKennon, Basil Clement	Clarksville	Johnson
McPhetridge, James	Mena	Polk
Milner, Duffer Jackson	Milner	Columbia
Murph, Doland Hugh	Smackover	Union
Myers, Joseph Cleveland	Helena	Phillips
Plummer, James Robert	Huntsville	Madison
Portis, Frank G.	Tomberlin	Lonoke
Portnall, James Roy	Fayetteville	Washington
Pritchard, Virgil Felter	Fayetteville	Washington
Ritchie, Paul Jett	Gregory	Woodruff
Russell, Festus	Bellefonte	Boone
Russell, George Clinton	Joella	Lafayette
Shultz, Howard Lee	Fayetteville	Washington
Sowell, M. D.	Durant	Ind. Ter.
Wheeler, Samuel B.	Rhea	Washington
Williams, Roy Welch	Fayetteville	Washington
Wilson, Frank	Fayetteville	Washington

THE CONSERVATORY OF MUSIC AND ARTS.

Note.—The following list contains the names of those conservatory students only whose major subject is taught in the Conservatory of Music and Arts.*

Name	Course	Postoffice	County
Berry, Ethel	Music.	Springdale	Washington
Davis, Barbara Claire	Music.	Fayetteville . . .	Washington
Davis, Effie	Music.	Jasper	Newton
Gallaway, Margaret B.	Music.	Fayetteville . . .	Washington
Garner, Imogen	Music.	London	Pope
Gladson, Hazel ...	Physical Culture.	Fayetteville . . .	Washington
Gregg, Sara Edna † ...	Music.	Fayetteville . . .	Washington
Hamilton, Eileen Kathleen...	Music.	Fayetteville . . .	Washington
Harvey, Annette Halliday	Art.	Tinda	Benton
Henson, Birdie M.	Music.	Fayetteville . . .	Washington
Hight, Stella	Music.	Fayetteville . . .	Washington
Hudgins, Bess M.	Music	Fayetteville . . .	Washington
Johnson, Lucy Ethel	Music.	Harrison	Boone
King, Vera	Music.	Fayetteville . . .	Washington
Lackey, Minnie	Music.	Fayetteville . . .	Washington
Lake, Margaret Eleanor	Music.	Pawnee	Okla. Ter.
McCartney, Jessie Love	Music.	Fayetteville . . .	Washington
McMillan, Della Madeline....	Music.	Fayetteville . . .	Washington
Manning, Irene	Music.	Clarendon	Monroe
Mitchell, Sybil Aubrey	Art.	Fayetteville . . .	Washington
Neelly, Mariè Helen	Music.	Fayetteville . . .	Washington
Short, Isabelle	Music.	Fayetteville . . .	Washington
Stone, Alice Mary	Music.	Fayetteville . . .	Washington
Stone, Francis Rhea	Music.	Fayetteville . . .	Washington

*In 1903-1904 the Conservatory of Music and Arts enrolled 394 students in the following courses: Piano, 35; Harmony and History of Music, 7; Voice Culture, 21; Elocution and Oratory, 105; Gymnasium, 109; Physical Culture, 95; Art, 22.

†Candidate for the degree of Mus. Bach.

THE PREPARATORY SCHOOL.

Abbreviations.—A., Arts Course, leading to B. A. Course; S., Science Course, leading to B. S. Course; E., Engineering Course, leading to the Mechanical, Civil and Electrical Courses; T., Teachers' Course, Sp., Special Course; C., Course in Conservatory of Music and Arts.

Second Year Class.

Name	Course	Postoffice	County
Abercrombie, Clara Dell	S.	Pactolus	Benton
Abercrombie, Margaret E.	A.	Bryant	Saline
Albertson, Mabel L.	C.	Fayetteville	Washington
Albertson, Maurice M.	E.	Fayetteville	Washington
Allen, Luther H.	E.	Gravett	Benton
Barrett, Lou Ela	A.	Jonesboro	Craighead
Barry, Lucile Lelia	C.	Fayetteville	Washington
Belknap, Rosseau Joel	E.	Sulphur Springs	Benton
Bell, James Walton	E.	Fayetteville	Washington
Bennett, Elijah Dee	A.	Buffalo Lick	Poinsett
Bishop, James Malloy	E.	Fayetteville	Washington
Blair, Herbert Harland	S.	Brown	Logan
Boggs, James Franklin	A.	Rose Bud	White
Brough, Ruth	A.	Fayetteville	Washington
Brownfield, Eleanor	T.	Fayetteville	Washington
Bryant, John Arthur	A.	Fayetteville	Washington
Bryant, Roy Blake	E.	Nashville	Howard
Cabe, Robert Lewis	T.	Burks	Saline
Cantrell, Troy R.	A.	Lead Hill	Boone
Cazort, Ralph	S.	Fayetteville	Washington
Chandler, James Ewing	E.	Fayetteville	Washington
Coats, Lonnie Nunnelly	A.	Wilton	Little River
Collier, Lester	E.	Tupelo	Jackson
Combs, Jasper Newton	E.	Mountain Home	Baxter
Comstock, Gratis Monroe	E.	Uniontown	Crawford
Comstock, Kennie W.	A.	Uniontown	Crawford
Conwell, Rex	E.	Paragould	Greene
Cook, R. Wallace	E.	Fayetteville	Washington
Dacus, Erma	A.	Alpha	Yell

Name	Course	Postoffice	County
Davidson, D. Frank	A.	Stella	Izard
Davis, Arthur Charles	A.	Fayetteville . . .	Washington
Davis, Okey	E.	St. James	Stone
Deaver, James Frank	A.	Springdale . . .	Washington
Dinsmore, Hamilton Atwood	A.	Fayetteville . . .	Washington
Dumas, Calvin Rhem	A.	El Dorado	Union
Eason, Tom	E.	Fayetteville . . .	Washington
Ellis, Oscar Ferguson	E.	Fayetteville . . .	Washington
Feathers, John Edward	E.	Fayetteville . . .	Washington
Ferguson, Thomas Moody	S.	Booneville	Logan
Ford, David Lane	A.	Webb City	Franklin
Frost, Claud Walker	E.	Habberton	Washington
Fry, Rayburn Henry	A.	Atkins	Pope
Gaines, Clara Cornelia	C.	Waldron	Scott
Gean, Houston	E.	Darysaw	Grant
Glover, William Haworth	E.	Little Rock	Pulaski
Grant, James R.	T.	Dover	Pope
Gray, Albert	A.	Batesville	Independence
Grayson, Harry C.	E.	Paragould	Greene
Greathouse, Ollie May	A.	Johnson	Washington
Grundy, Archibald Marshal	E.	Fayetteville . . .	Washington
Grundy, Edmond Janes	S.	Fayetteville . . .	Washington
Hager, Katherine	T.	Bear	Montgomery
Hall, Harvey Jethro	A.	Scotland	Van Buren
Hamilton, Paul Key	E.	Mena	Polk
Hardin, Jodie W.	E.	Casa	Perry
Harper, Franklin Marion	A.	El Dorado	Union
Harris, Clara	A.	Oklahoma City . . .	Okla. Ter.
Harvey, Frank P.	Sp.	Lake Village	Chicot
Henry, R. L.	E.	Lecont	Pulaski
Hight, William Clarence	E.	Fayetteville . . .	Washington
Hooper, Lillian Gertrude	C.	Fayetteville . . .	Washington
Hopson, Edwin Eastman	A.	Mountain Home	Baxter
Houston, Leda	A.	Fayetteville . . .	Washington
Howell, Joseph N.	E.	Poteau	Ind. Ter.
Huddleston, Con	A.	Flippin	Marion
Hudgins, Ella Blanche	Sp.	Mena	Polk

Name	Course	Postoffice	County
Hughes, John Jackson	E.	Haynes	Lee
Hunter, Oscar Lutner	A.	Branch	Franklin
Jackson, William Black	E.	Brinkley	Monroe
Jarman, Mabel	S.	Barton	Phillips
Jennings, Dennis Russell	E.	Beebe	White
Jernigan, William James	A.	Charlotte	Independence
Johnson, Freeman Lee	S.	Hatfield	Polk
Jones, Arthur Melvin	S.	Poteau	Ind. Ter.
Jones, George Fleming	A.	Frank	Pulaski
Jordan, James Kent	A.	Fayetteville	Washington
Keith, Ernest Thomas	A.	Sharman	Columbia
Kunz, Katie Janette	A.	Fayetteville	Washington
Lantrip, Lynn Winston	E.	Fayetteville	Washington
Larrabee, Roy Ashley	E.	Fayetteville	Washington
Latimer, Sigsbee Booker	E.	De Queen	Sevier
Laughinghouse, Marguerite	C.	Forrest City	St. Francis
Leverett, Blanche	A.	Fayetteville	Washington
Leverett, Charles Deane	A.	Fayetteville	Washington
Leverett, Nina Deane	C.	Fayetteville	Washington
Lewis, Charlie Haw	A.	Atkins	Pope
Little, Jessie	A.	Lavaca	Sebastian
Lueker, Charles G.	A.	Famous	Pope
Manning, Gladys	A.	Clarendon	Monroe
Mathis, Harry Poynter	S.	Cotton Plant	Woodruff
Maxwell, James A.	E.	Texarkana	Miller
McCoy, Carlos	E.	Fayetteville	Washington
McDonald, Edgar Earle	A.	Batesville	Independence
McGraw, Grover D.	E.	Altus	Franklin
McKinlay, James M. C.	E.	Garfield	Benton
McLeod, Angus A.	E.	Fort Smith	Sebastian
McMillan, Fred Lee	E.	Pine Bluff	Jefferson
Meek, Roy Settle	A.	Russellville	Pope
Mellor, J. L.	E.	El Dorado	Union
Miller, Myrtle Ellen	A.	Fayetteville	Washington
Mitchell, Ollie	A.	Maysville	Benton
Mitchell, Solon Biffle	S.	Greenway	Clay
Moore, Mary Elsie	Sp.	Fayetteville	Washington

Name	Course	Postoffice	County
Moore, William F.	S.	Arkadelphia	Clark
Mooring, Jerry B.	S.	Cotton Plant	Woodruff
Morgan, Samuel Ross	A.	El Dorado	Union
Munn, Franklin Neill	S.	Prescott	Nevada
Munn, James Madison	E.	Prescott	Nevada
Newton, Jasper Curtis	E.	Montrose	Ashley
Norman, Felix Augustus	E.	Fayetteville	Washington
Oates, John Fount	T.	Martinville	Faulkner
Oliver, John A.	A.	Clifty	Madison
Paden, Charles E.	A.	King Mills	Sharp
Parish, Hugh Smitn	A.	Newport	Jackson
Pearson, John B.	E.	Poplar Grove	Phillips
Pearson, Thomas Milton	A.	Rhea	Washington
Petitt, James Lemuel	A.	Poteau	Ind. Ter.
Price, Edwin G.	A.	Berryville	Carroll
Purdue, John Gilbert	Sp.	Staunton	Washington
Read, Alicia Johnston	A.	Fayetteville	Washington
Rector, William Henry	S.	Gillham	Sevier
Redding, Jewell	S.	Green Forest	Carroll
Revel, John William	A.	Augusta	Woodruff
Robinson, John Henry	A.	Cabot	Lonoke
Ross, Sam	E.	Cane Hill	Washington
Samuels, J. Charles	A.	McKinney	Texas
Scott, Roswell C.	A.	Ultima Thule	Sevier
Scroggin, James H.	S.	Morrilton	Conway
Sedwick, James E.	E.	Fayetteville	Washington
Sherrod, William Vernon	S.	Goshen	Washington
Shinn, Erwin Henry	A.	London	Pope
Shultz, Harry Everest	E.	Fayetteville	Washington
Simmons, James Felix	E.	Tupelo	Jackson
Simpson, Perry Osburn	A.	Corning	Clay
Skirving, George Wood	E.	Huntington	Sebastian
Slade, Carter G.	S.	El Dorado	Union
Smith, Jessie	Sp.	Fayetteville	Washington
Spears, Bruce W.	A.	Keeville	Monroe
Stacy, Hal	E.	Vanndale	Cross
Stokes, Walter Richard	E.	Bentonville	Benton

Name	Course	Postoffice	County
Sutton, Edith	A.	Fayetteville . . .	Washington
Swindle, John C.	A.	Walnut Ridge . . .	Lawrence
Tharp, Mattie Irene	A.	Fayetteville . . .	Washington
Thompson, Mack Franklin	E.	Fayetteville . . .	Washington
Trent, Bessie	A.	Fayetteville . . .	Washington
Tucker, Reginald George	E.	Portland	Ashley
Vandiver, Garland E.	S.	Harrisburg	Poinsett
Ware, Bert Lazerus	A.	Greenwood	Sebastian
Watson, Edmond Penn	E.	Bentonville	Benton
Wear, Robert Lavater	A.	Mena	Polk
Wells, Hugh Desha	E.	Bentonville	Benton
Wells, Thomas Watson	E.	Searcy	White
Wheeler, Martha	C.	London	Pope
Whitehead, Nell	T.	South McAlester . . .	Ind. Ter.
Whitmore, Willie Leora	A.	Fayetteville . . .	Washington
Wiggins, Joseph Cleveland	A.	Cecil	Franklin
Wilcox, Frank B.	A.	Stuttgart	Arkansas
Wilkinson, Henry Lee	S.	Greenwood	Sebastian
Williams, Hosea Lafayette	E.	Fayetteville . . .	Washington
Williams, Oscar Eugene	A.	Fayetteville . . .	Washington
Williams, Walter Quincy	E.	Fayetteville . . .	Washington
Wilson, J. Thad	S.	Junet	Grant
Winborne, John N.	A.	Waterproof	Lonoke
Wood, Arthur Cleveland	E.	Fort Smith	Sebastian
Wood, John Proudfit	E.	Fayetteville . . .	Washington
Woodruff, Clarence Herbert	A.	Rhea	Washington
Woodson, Edward Francis	E.	Bonanza	Sebastian
Wolf, Otho	A.	Paris	Logan
Wunnenburg, Edgar	E.	Cotton Plant	Woodruff
Yarbrough, Charles S.	E.	Elliott	Ouachita
Yarnell, Pitts	E.	Searcy	White
Yeagain, Jack C.	A.	Maysville	Benton
Yoes, Bert Conrad	E.	Alma	Crawford
Yopp, Harry.	S.	Hazen	Prairie

First Year Class.

Name	Course	Postoffice	County
Abercrombie, Earl	E.	Pactolus	Benton
Albertson, Wallace W.	E.	Fayetteville	Washington
Allen, Joe Cleveland	A.	Hatfield	Polk
Anderson, Mary	S.	Fayetteville	Washington
Andrix, Annie	T.	Bentonville	Benton
Appleton, Marshall	E.	George's Creek . . .	Marion
Babb, James Robert	S.	El Dorado	Union
Baker, Frank G.	E.	Fayetteville	Washington
Baker, Myrle	T.	Fayetteville	Washington
Ballard, Lydia	A.	Durham	Washington
Barnes, William Charles	A.	Camden	Ouachita
Barrenger, Katherine Louise	A.	Fayetteville	Washington
Baum, Elias Julius	E.	Fayetteville	Washington
Belknap, Beatrice Victoria	C.	Sulphur Springs . . .	Benton
Benjamin, Reba	A.	Key	Benton
Bentley, Jean	T.	Vale	Washington
Black, Kate	S.	Fayetteville	Washington
Blass, Norman	A.	Little Rock	Pulaski
Block, Sam Maurice	A.	Vanndale	Cross
Bowers, Ezra James	E.	Paris	Logan
Breese, Isabelle	A.	Monett	Missouri
Brown, Elizabeth	C.	Fayetteville	Washington
Brown, Ethel	Sp.	Fayetteville	Washington
Brown, Thomas I.	T.	Camden	Ouachita
Bryan, Walter Lee	E.	Haynes	Lee
Bryan, Zella	C.	Fayetteville	Washington
Buffalo, George Cleveland	E.	Tomberlins	Lonoke
Buck, William Robert Washington A.		Cave City	Sharp
Burnes, Curtis	A.	Dunklin	Missouri
Burnes, Al Birnie	E.	Fayetteville	Washington
Campbell, Madge	A.	Fayetteville	Washington
Campbell, William Gordon	E.	Fayetteville	Washington
Cannon, Roy	E.	Fayetteville	Washington
Cantrell, Henry Reutsel	S.	Mansfield	Sebastian
Carothers, Wallace	E.	Fayetteville	Washington
Carpenter, Dora M.	A.	Pottsville	Pope

Name	Course	Postoffice	County
Carter, John Thomas	E.	Searcy	White
Carter, Nama	A.	Durham	Washington
Carter, Noah Difford	A.	Durham	Washington
Champion, Oscar Leeland	A.	Gillett	Arkansas
Chew, Thomas C.	A.	El Dorado	Union
Clark, Nora	A.	Durham	Washington
Clark, Thomas Earl	E.	Goshen	Washington
Collier, John William	A.	Washburn	Sebastian
Comer, Rufus M.	S.	McCrory	Woodruff
Conley, Charles	E.	Harrison	Boone
Cook, Lela	S.	Fayetteville	Washington
Cook, Stuart Monroe	S.	Fayetteville	Washington
Cooper, Fred Wiley	E.	Brinkley	Monroe
Council, John B.	T.	Charleston	Franklin
Cox, Mary	A.	Fayetteville	Washington
Craig, Pearl	A.	Westville	Ind. Ter.
Crawford, Ell	T.	Prairie Grove	Washington
Crawford, Malcolm	E.	Fayetteville	Washington
Crawford, Marguerite	A.	Fayetteville	Washington
Crouch, Branch Lee	A.	Fayetteville	Washington
Dacus, Clyde Chester	A.	Alpha	Yell
Davenport, Walter Lafayette	A.	George's Creek	Marion
Davis, Mabel Eloise	A.	Fayetteville	Washington
Davis, Thomas Wils	A.	Blytheville	Mississippi
Davis, Waldo	E.	Powell	Marion
Davis, Zemri	A.	Cravens	Franklin
Delorvin, Paul Ellis	E.	Fort Smith	Sebastian
Dent, Strother Major	E.	Riverside	Woodruff
Dowell, Grace	A.	Vale	Washington
Drake, James Wesley	E.	Paragould	Greene
Eason, Herman E.	E.	Fayetteville	Washington
Edwards, David Henderson	S.	Beebe	White
Elkins, Clyde C.	E.	Magazine	Logan
Elliott, Doris Carroll	E.	De Witt	Arkansas
Ellis, Clyde	E.	Paragould	Greene
Ellis, Josephine	S.	Fayetteville	Washington
Ellis, T. Marvin	A.	Wynne	Cross

Name	Course	Postoffice	County
Eskridge, Wilder	E.	Blytheville.	Mississippi
Evins, Alex A.	E.	Fayetteville . . .	Washington
Evins, Thaddeus White	E.	Fayetteville . . .	Washington
Evins, Theodore Frederick	E.	Fayetteville . . .	Washington
Fesperman, John Frank	E.	Cotton Plant	Woodruff
Fesperman, William Jerome	E.	Cotton Plant	Woodruff
Folbre, Charles Mallen	E.	Forrest City	St. Francis
Ford, Reth	S.	Washburn	Sebastian
Fraser, Paul Etheridge	E.	Monette	Craighead
Gaines, Nora	T.	Higginson.	White
Garner, Walter Cleveland	A.	Marianna	Lee
Garrettson, William H.	E.	Quinton	<i>Ind. Ter.</i>
Gean, Iva	A.	Darysaw	Grant
Goldsmith, Abe S.	S.	Trenton	Phillips
Gray, Clara	A.	Batesville	Independence
Green, Ona Jewell	T.	De Queen	Sevier
Green, Thomas A.	T.	Mineral Springs	Howard
Gregg, Annie Josephine	A.	Fayetteville . . .	Washington
Guinn, Pearl	T.	Winslow	Washington
Halk, Eli R.	S.	Cherry Valley	Cross
Hall, Hubert Cleveland	E.	Canton	Sharp
Hamilton, William John	A.	Fayetteville . . .	Washington
Hannah, Alice Louise	A.	Fayetteville . . .	Washington
Hardy, Mack	E.	Batesville	Independence
Harrison, Albert Taylor	T.	Mantee	Madison
Henry, Robert H.	E.	Hope	Hempstead
Hesterly, Archie	S.	Prescott	Nevada
Hicks, O. E.	E.	Lonoke	Lonoke
Hinman, Luola	A.	Gillett	Arkansas
Hodges, Jesse Diorell	T.	Hurricane	Saline
Hodges, Louie	S.	Boothe	Scott
Holtzclaw, Hanan H.	S.	Vineyard	Lee
Hope, John Marvin	T.	Hurricane	Saline
Huggins, William Lee	E.	Ozark	Franklin
Hughes, Verda	A.	Fayetteville . . .	Washington
Hunt, Edward Bentley	A.	Coal Hill	Johnson
Huxtable, William Ginry	A.	Vincent	Crittenden

Name	Course	Postoffice	County
Isom, John Atlee	T.	Iris	Greene
James, Clifton Richard	A.	Tuckerman	Jackson
James, George Wm. Franklin	A.	Mena	Polk
James, John Milton	A.	Searcy	White
James, Rex Esmerald	A.	Maysville	Benton
Jarman, Gurtrude	S.	Barton	Phillips
Johnson, Bert Lee	E.	Fayetteville	Washington
Jones, Benjamin Franklin	T.	Durham	Washington
Jones, Bertha Edyth	C.	Yellville	Marion
Jones, Hubert M.	A.	Chicago	<i>Illinois</i>
Jones, Lela Estia	A.	Fayetteville	Washington
Jordan, Flossie	A.	Fayetteville	Washington
Keck, Hilburn E.	E.	Harrisburg	Poinsett
Kelley, Eugene Blount	E.	Mena	Polk
King, Edyth Kaywood	Sp.	Fayetteville	Washington
Kitchens, George T.	A.	Waldo	Columbia
Koser, William Aubry	A.	Marion	Crittenden
Lash, Charles Edwin	E.	Brinkley	Monroe
Lester, May	A.	Fayetteville	Washington
Leverett, Whitham	A.	Fayetteville	Washington
Lowe, Chester Clarence	S.	Gillett	Arkansas
Luekens, Maud Lillian	C.	Bentonville	Benton
Magoffin, Anna Angela	A.	Duluth	<i>Minnesota</i>
Maguire, Audie	S.	Fayetteville	Washington
Mann, Myrtle C.	T.	Winslow	Washington
Martin, Herbert	S.	Martinville	Faulkner
Masters, Effie	A.	Durham	Washington
Mayes, Ethel Esther	A.	Goshen	Washington
Mayo, James Edwin	E.	Indian Bay	Monroe
Mayo, Walter Pointer	E.	Indian Bay	Monroe
McCoy, Myrtle	S.	Fayetteville	Washington
McDaniel, Charles	E.	Forrest City	St. Francis
McDonald, Joel W.	A.	Sheridan	Grant
McKinlay, Peter Gillespie	A.	Garfield	Benton
McMurtry, Jack	E.	Bonanza	Sebastian
McWilliams, Hubert	S.	El Dorado	Union
Mitchell, Allie May	S.	Fayetteville	Washington

Name	Course	Postoffice	County
Mitchell, Ara Evelyn	A.	Fayetteville . . .	Washington
Moody, Guy	A.	Cornell	Chicot
Moody, Thaddeus	A.	Cornell	Chicot
Moore, Marguerite Mabel	C.	Fayetteville . . .	Washington
Morton, James Herbert	E.	Fayetteville . . .	Washington
Morton, Julia	A.	Fayetteville . . .	Washington
Moss, John W.	A.	Buffalo Lick	Poinsett
Mount, Hugh L.	E.	Fayetteville . . .	Washington
Myrick, Allie L.	T.	Luxora	Mississippi
Neelly, Lila Irma	A.	Fayetteville . . .	Washington
Nesbit, William Edward	A.	Fayetteville . . .	Washington
Nettleship, John	E.	Fayetteville . . .	Washington
Newman, Ivo Mathias	A.	Marion	Crittenden
Niles, Charles Walter	T.	Joplin	Missouri
Norman, George M.	A.	Guthrie	Okla.
Oates, Samuel Clarence	E.	Martinville	Faulkner
Oliver, Georgia Louise	A.	Fayetteville . . .	Washington
Oliver, Lealia Ruth	A.	Fayetteville . . .	Washington
Oliver, Nora Cathrine	T.	Clifty	Madison
Orrell, R. Jeff	E.	Morrilton	Conway
Owens, Don Garrett	E.	Helena	Phillips
Pangle, Jobie N.	S.	George's Creek	Marion
Patterson, Frances Loraine	A.	Fayetteville . . .	Washington
Peak, Robert Frank	E.	Grand Lake	Chicot
Peck, Dora	A.	Fayetteville . . .	Washington
Peer, Clyde A.	E.	Mansfield	Scott
Pollard, Lizzie	A.	Fayetteville . . .	Washington
Pool, William Walter	S.	Thompson	Washington
Portis, Beulah	S.	Tomberlins	Lonoke
Portis, James	E.	Tomberlins	Lonoke
Powell, Frank	E.	McCrary	Woodruff
Pratt, Bertha Bell.	Sp.	Higginson	White
Quinn, Harley	E.	Paris	Logan
Read, Laura Elizabeth	C.	Fayetteville . . .	Washington
Reed, Maggie	A.	Johnson.	Washington
Reed, Pearle M.	A.	Fayetteville . . .	Washington
Reed, William Howard	A.	Heber	Cleburne

Name	Course	Postoffice	County
Reeves, Joseph Arch	S.	Mena	Polk
Reynolds, Cadmus Rice	A.	Atkins	Pope
Richmond, Jesse	A.	Huntington	Sebastian
Roberts, George N.	E.	Drake's Creek	Madison
Roberts, Ruth	T.	Drake's Creek	Madison
Rodgers, Horace Edwyn	E.	Fayetteville	Washington
Roulhac, Joseph P. G.	A.	Staunton	Washington
Rye, Sam H.	A.	Falerno	Pope
Scott, Andrew Lee	S.	Stattler	Crawford
Scott, Mamie Lavonia	A.	Fayetteville	Washington
Sedwick, Bessie North.	A.	Fayetteville	Washington
Shannon, Mary Etoil	C.	Fayetteville	Washington
Shelton, Walter Clyde	A.	Grays	Woodruff
Shook, Charles Harmon	E.	Carter's Store	Washington
Shores, Charles Howard	A.	Jonesboro	Craighead
Sigmon, Loma	E.	Harrison	Boone
Sims, Samuel Crockett	S.	Hazen	Prairie
Sloan, Bessie Edna	A.	Fayetteville	Washington
Smith, Haywood I.	E.	Manila	Mississippi
Springton, Gracie Pearl	A.	Durham.	Washington
Springton, J. William	A.	Durham.	Washington
Stephens, Frank	E.	Fayetteville	Washington
Stover, Luther	T.	Casa	Perry
Summers, Irene Louise	A.	Fayetteville	Washington
Sutton, Beulah	A.	Fayetteville	Washington
Sylar, Andrew	E.	Newell	Phillips
Taylor, George P.	A.	Forrest City	St. Francis
Taylor, Ralph Lewis	E.	Fayetteville	Washington
Thorn, Harvey Bell	A.	Buffalo Lick	Poinsett
Thurston, Monte	A.	Rector	Clay
Trice, Tazwell E.	E.	Cotton Plant	Woodruff
Trussell, Walter Andrew	T.	Sumpter	Bradley
Turner, Hosea Paxton	E.	Halstead	Pulaski
Ucker, Edward Joseph	A.	Fayetteville	Washington
Wade, George	E.	Fayetteville	Washington
Wade, Lila	A.	Fayetteville	Washington
Waterfield, Elgin A.	A.	Holdenville	Ind. Ter.

Name	Course	Postoffice	County
Weast, Cam F.	E.	Yellville	Marion
White, Felix Sloan	E.	Fayetteville	Washington
White, Pearl	S.	Fayetteville	Washington
Williams, Clifton	E.	Fayetteville	Washington
Williams, George Alexander	A.	Hot Springs	Garland
Williams, Louise Addie	C.	Fayetteville	Washington
Wofford, Horace	A.	Hartman	Johnson
Woodruff, Ethel	A.	Rhea	Washington
Worthington, Allen McDonald	A.	Beebe	White
Wright, Ollie	T.	Higginson	White
Yates, William Nicholas	E.	Fayetteville	Washington
Zike, Russell Litney	E.	Ardmore	Ind. Ter.

STUDENTS IN THE MEDICAL SCHOOL.

Adams, T. L.	Harvey, G. A.	Oberholtzer, Miss O.
Atkins, W. T.	Henderson, G. L.	Oates, L. T.
Alford, T. F.	Harris, W. D.	Osborne, M. N.
Abbott, C. C.	Hooper, E. C.	Prickett, C.
Bush, J. W.	Humbert, I. S.	Pratt, J. B.
Bollinger, W.	Hawkins, B. H.	Patterson, A. J.
Baltzell, C. H.	Hardin, Miss N. V.	Pate, L. H.
Baines, Swartz.	Hearn, J. W.	Powell, J. W.
Bearden, F.	Hill, O. A.	Poe, W. D.
Berryman, L. D.	Huie, J.	Plunkett, C. M.
Burnett, J. A.	Harris, R. L.	Purtle, C. C.
Burton, R. F.	Head, W. H.	Pippen, L. D.
Buchanan, A. S.	Hook, J. K.	Poynor, E. E.
Britt, H. A.	Horton, N.	Perry, J. T.
Bogart, H. D.	Horner, J. R.	Perry, M. L.
Brewster, B.	Horner, J. C.	Pearson, W. H.
Branscom, S. B.	Hornsby, W. W.	Pardew, A. A.
Butler, V. V.	Harris, C. L.	Porter, W. C.
Burnett, E.	Hagood, A. S.	Quidor, J. E.
Britt, J. B.	Harkins, R. A.	Row, G. C.
Blount, W. T.	Howard, B. W.	Ray, G. T.
Berry, F. O.	Ingram, E. M.	Routh, H. P.
Bruce, J. C.	Irwin, W. P.	Roe, J. B.

Billington, J. E.	Joyce, M. J. H.	Rose, F. C.
Bridges, J. H.	Judd, O. K.	Reagan, W. T.
Burge, J. W.	Jewell, I. H.	Rogers, W. S.
Carmichael, A. L.	Johnson, S. C.	Reynolds, E. A.
Copeland, T. E.	Johnston, O. J. T.	Ross, T. A.
Cason, J. R.	Jackson, L. T.	Roberts, D. C.
Cabaniss, J. R.	Jack, S. W.	Routh, C. M.
Carter, J. D.	King, R. R.	Scott, C. V.
Carter, G. W.	Kelleam, E. A.	Simmons, J. A.
Conley, J. W.	King, Edgar.	Slaughter, N. J.
Callen, L. H.	King, K. W.	Smith, J. H.
Coleman, T. C.	Kenyon, A. D.	Sneed, R. H.
Cook, J. D.	King, R. E.	Stover, Grover.
Clark, Ira.	Kennedy, L. S.	Stiles, G. S.
Cottrell, W. P.	Long, Miss N. L.	Spencer, M. N.
Crump, J. F.	Lester, W. T.	Shinn, T. J.
Chandler, G. F.	Lay, J. D.	Smith, Ira.
Dibrell, J. L.	Lester, J. L.	Stubblefield, J. L.
Downs, J. H.	Love, J. G.	Scott, L. L.
Dildy, E. V.	Lovelady, B.	Shamblin, D. W.
Doughty, D. A.	Maxwell, R. L.	Thompson, E. M.
Dejarnatt, J. W.	Mason, W. A.	Turney, S. D.
Duckworth, F. L.	Murphree, A. J.	Tipton, W. C.
Dendy, B. J.	Miller, R. D.	Thompson, G. R.
Davenport, J. W.	Mayfield, A. M.	Teeter, C. R.
Dreesen, C. L. R.	Melton, J. W.	Tate, A.
Dillard, W. H.	Martin, J. W.	Thomasson, S. J.
Dillard, J. A.	Mitchel, R. L.	Vaught, A. J.
Daily, J. N.	Mooney, Leon.	Wayman, A. K.
Elkins, W. N.	Morris, J. F.	Wayne, J. R.
Erwin, I. H.	Morrow, W. F.	White, L. W.
Elton, Albert.	Moore, Wm. T.	Warford, R.
Fowler, A.	Munn, J. A.	Woods, Geo. M.
Farish, A. H.	Milligan, E. A.	Watkins, G. E.
Foster, W. R.	Maloy, John.	Wilkinson, S. L.
Green, W. C.	McDaniel, Alva.	Woods, G. G.
Gray, O.	McDonald, C. S.	Woodeel, T. W.
Green, B. E.	McCurry, D. K.	Woolverton, H. G.
Griffin, R. M.	McHenry, G.	White, W. H.

Griffin, E. P.	McDonald, W. T.	Whittaker, E. E.
Green, B. F.	McMath, J. T.	West, J. H.
Gillum, A. D.	McFerrin, J. O.	Wilson, J. W.
Gaddy, Louis.	McFadden, J. C.	Wear, Wm. M.
Glover, C. A.	North, A.	Westbrook, W. R.
Gormon, W. M.	Nowlin, W.	Yates, Geo.
Ginn, W. T.	Nelson, F. L.	Yates, Geo. W.
Gullett, J. E.	Newkirk, C. H.	Yadon, G. B. M.
Hodges, E. E.	Ogden, M. D.	Yarbrough, J. E.

STUDENTS IN THE LAW SCHOOL.

W. A. Boyd	Little Rock	Arkansas
J. C. Brookfield	Rock Creek	Arkansas
J. W. Clack.....	Argenta	Arkansas
G. H. Clayburn.....	Fourche Dam . . .	Arkansas
J. B. Cox	Little Rock	Arkansas
H. T. Duvall.....	Crawfordsville	Arkansas
E. M. Frye	Sallisaw...Indian	Territory
Hugh A. Haden	Piggott	Arkansas
Trusten C. Hicks.....	Little Rock	Arkansas
Henry T. Hobbs.....	Clinton	Arkansas
Ross Huffmaster	Kaufman	Texas
W. G. Hughes	Little Rock	Arkansas
W. C. Hutton	Little Rock	Arkansas
James H. Johnson	Magazine	Arkansas
E. B. Jones	Little Rock	Arkansas
J. F. Koone	Wynne	Arkansas
Fred W. McDonald	Little Rock	Arkansas
E. L. McHaney	Lonoke	Arkansas
E. R. Ratterree	Little Rock	Arkansas
R. W. Robbins	Little Rock	Arkansas
Albert F. Schneider	Little Rock	Arkansas
T. C. Trimble.....	Russellville	Arkansas
B. C. Tryce	Argenta.. . . .	Arkansas
E. M. Ware	Little Rock	Arkansas

GENERAL SUMMARY OF STATISTICS.

 College.

Graduates	3
Seniors	35
Juniors	36
Sophomores	75
Freshmen	139
Short Course in Engineering	37
Specials	45

 370

Conservatory of Music and Arts.*

Preparatory School.

Second Year Class.....	174
First Year Class.....	233

 407

Not classified in any Department..... 5

Total number of students at Fayetteville in the College, the Conservatory of Music and Arts, and the Preparatory School	806
Medical School (Little Rock).....	213
Law School (Little Rock).....	25
Branch Normal College (Pine Bluff).....	200
Grand Total	1,244

*The total number of students enrolled in the Conservatory of Music and Arts is 394.

DEGREES.

On Commencement Day, June 18, 1903, degrees were conferred as follows:

B. A.

Nora Madge Bates (with distinction).
Hugh Brewster.
William W. Cartwright.
Leila Ruth Droke (with distinction).
William Marvin Harris (with distinction).
Fred White Holt.
Abner McGehee.
Hattie Clementine Melton (with distinction).
Samuel Alfred Mitchell.
William Benjamin Rife (with distinction).
John Paul Streepey.
Rupert Taylor (with distinction).
Joseph Pitts Womack.

B. S.

William W. Cartwright.	William Benjamin Rife.
Elbert Clark.	

B. C. E.

Fred Merritt Billings.	Houston T. Daniels.
John Charles Blaylock.	Frank Hill Davis.
Lemuel Berry Bryan.	Robert James Middleton.

B. E. E.

Alonzo Milton Honnett.
James Leland Longino (with special distinction).
William Arthur Ruggles (with distinction).

B. M. E.

James Leland Longino.
James Frederick Muller.
William Andrew Treadway, E. E., 1901.

M. S.

Dennis Clyde Mooring, B. S., 1902.

M. D.

In 1903 the degree of M. D. was conferred by the University of Arkansas upon the following candidates:

W. I. Blackwell.	G. H. Gibson.
E. A. Callahan.	J. D. Leonard.
C. W. Donaldson.	J. A. Phillips.
J. E. Elliott.	C. J. Steed.
T. M. Fly.	J. B. Stueart.
R. C. Foster.	J. G. Watkins.

L. L. B.

In 1903 the degree of LL. B. was conferred by the University of Arkansas upon the following candidates:

Richard Robinson Allnutt.	John Jackson Lewis.
John M. Clayton.	Robert Martin.
Frank Hatton Dodge.	Creslie D. Morris.
Garner Fraser.	Clay E. Smith.
Norman P. Haskell.	David Dickson Terry.
George De Matt Henderson.	D. Everett Tucker.
Fred Ellensworth Holder.	Charles L. Watkins.
Robert Ward Johnson.	Albert F. Welch.
John Price Kerby.	J. F. Wills.

PART II.

The University and its Departments.

ORIGIN.

The University of Arkansas owes its origin to an act of Congress, approved July 2, 1862, providing that public lands should be granted to the several states, to the amount of "30,000 acres for each senator and representative in Congress," from the sale of which there should be established a perpetual fund, "the interest of which shall be inviolably appropriated by each state, which may take and claim the benefit of this act, to the endowment, support and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislatures of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life." The act forbids the use of any portion of the aforesaid fund, or of the interest thereon, for the purchase, erection, or maintenance of any building or buildings. The states accepting the provisions of the act are required to provide for the construction and maintenance of the necessary buildings, and for the expenses of administration in carrying out the purposes of the act.

The general assembly of the state of Arkansas accepted the national law by passing an act, approved March 27, 1871, which provided for the location, organization, and maintenance of the University of Arkansas, and which allowed the several counties of the state to compete until a certain time for the location of the University by making public or private donations of bonds, moneys, or lands.

Several individuals and communities made bids: Washington, the only county that competed, voted \$100,000. Fayetteville, Washington County, voted \$30,000 in addition, and was selected as the seat of the University. The institution was opened January 22, 1872.

Under an act of Congress, approved March 2, 1887, the University receives \$15,000 annually for the maintenance of the experiment station, "to aid in acquiring and diffusing among the people useful and practical information on subjects connected with agriculture, and to promote scientific investigation and experiment respecting the principles and applications of agricultural science."

Under an act of congress, approved August 30, 1890, the University receives \$25,000 annually, "to be applied only to instruction in agriculture, the mechanic arts, the English language and the various branches of mathematical, physical, natural and economic science, with special reference to their application to the industries of life."

PURPOSE.

The University is at the head of the public educational system of the state of Arkansas. It seeks to foster the higher educational interests of the state, broadly and generously interpreted, and to make provision for the demands of advanced scholarship in as many lines as its means will permit. It is the aim of its faculty and board of trustees, from year to year, to bring it into still closer articulation with the public schools of the state, and in connection with them to afford to all the youth of either sex ample facilities for liberal education in literature and science, and technical education in the industrial arts and professional studies.

Through the aid received from the United States and from the state of Arkansas, the University is enabled to offer to its students free tuition, except in the studies of law, medicine, music, and art, and to open wide her doors to all seekers of learning.

LOCATION.

Four of the seven departments of the University, viz: the College, the Preparatory School, the Conservatory of Music and Arts, and the Agricultural Experiment Station, are located at Fayetteville, Washington County, Arkansas. Situated in the heart of the Ozark Mountains, it is more than 1,500 feet above the sea level. The location is thought to be unsurpassed in salubrity of climate, in beauty of surrounding scenery, in variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

Students may reach Fayetteville from both the north and the south by the Texas branch of the St. Louis & San Francisco Railroad, which has three trains daily each way, and various connections with other roads, both north and south. From the west students may reach Fayetteville by the Ozark & Cherokee Central Railroad.

THE COLLEGE OF LIBERAL ARTS, SCIENCES AND
ENGINEERING.

Fayetteville.

HENRY SIMMS HARTZOG, LL. D.,
President, 717 W. Dickson Street.

Officers of Instruction.

JOHN CLINTON FUTRALL, M. A.,
Professor of Ancient Languages, 220 N. College Avenue.

GEORGE WESLEY DROKE, A. M.,
*Professor of Mathematics and Astronomy, Cor. Hill and Putman
Streets.*

JULIUS JAMES KNOCH, M. S., C. E.,
Professor of Civil Engineering, 402 N. College Avenue.

WILLIAM NATHAN GLADSON, M. S., E. E., Ph. D.,
Professor of Electrical Engineering, 820 W. Maple Street.

ARTHUR HOMER PURDUE, A. B.,
Professor of Geology and Mining, 538 Leverett Street.

CLIFFORD LEWIS NEWMAN, M. S.,
Professor of Agriculture, E. Maple Street, Cor. Highland Avenue.

FRANK WELBORN PICKEL, A. B., M. Sc.,
Professor of Biology, 808 W. Maple Street.

ERNEST WALKER, B. S. Agr.,
Professor of Horticulture, 524 Leverett Street.

JOSEPH WILLIAM CARR, Ph. D.,
*Professor of English and Modern Languages, 353 Highland
Avenue.*

WILLIAM SMYTHE JOHNSON, Ph. D.,
Professor of Philosophy and Pedagogics, 224 W. Dickson Street.

JOHN HUGH REYNOLDS, A. M.,

Professor of History and Political Science, 814 W. Maple Street.

ANTHONY MOULTRIE MUCKENFUSS, Ph. D.,

Professor of Chemistry and Physics, 231 N. East Street.

BURTON NEILL WILSON, B. Sc., M. E.,

Professor of Mechanical Engineering, 241 N. College Avenue.

LANNING PARSONS (West Point), Captain U. S. A.,

Professor of Military Science and Tactics, 221 N. College Avenue.

CHARLES HILLMAN BROUGH, Ph. D.,

Professor of Economics and Sociology, 343 Arkansas Avenue.

EDGAR FINLEY SHANNON, A. B.,

Associate Professor of English and Modern Languages, 325 N. College Avenue.

BOLLING JAMES DUNN, A. M.,

Associate Professor of Mathematics, 129 E. Dickson Street.

LEWIS HENRY ROSE,

Associate Professor of Chemistry and Physics, 123 College Avenue.

HADGIE BOOKER DAVIES, B. A.,

Adjunct Professor of English and Modern Languages, 207 N. College Avenue.

THEODORE CHARLES TREADWAY, B. E. E.,

Adjunct Professor of Mechanical Engineering, 820 W. Maple Street.

WILLIAM ANDREW TREADWAY, E. E., B. M. E.,

Instructor in Electrical Engineering, 820 W. Maple Street.

LEMUEL BERRY BRYAN, B. C. E.,

Instructor in Civil Engineering, 402 N. College Avenue.

W. A. HARDING,

Machinist, Cor. Town and Hill Streets.

EQUIPMENT.

University Hall.

This is a brick structure with cut stone trimmings and a stone foundation. It is four stories in height above the basement. It consists of a front building 214 feet in length, and two wings, each 124 feet in depth, the whole forming three sides of a quadrangle. This building contains a large number of class rooms, chapel, library and reading room, separate study halls for the boys and girls of the preparatory department, armory, magazine, band room, laboratories for engineering, biology, and geology, music and art rooms, president's and commandant's offices, natural history museum, examination hall, literary society halls, toilet rooms, etc., in all seventy rooms, together with broad corridors and stairways. The building is heated by steam, lighted by electricity, and supplied with water from the city waterworks.

*Directory of Rooms in University Hall, 1903-1904.

1. DR. HENRY S. HARTZOG,
President.
2. I. C. CARSON,
Secretary to the President.
3. J. W. KUYKENDALL,
Principal of Preparatory Department.
4. CAPT. LANNING PARSONS,
Commandant and Professor of Military Science and Tactics.
5. MRS. EMMA W. COLE,
Instructor in History and Latin (Preparatory Department).

*After the summer of 1904 the offices, class rooms, and laboratories of the Mechanical, Civil, and Electrical Engineering Departments will be in Engineering Hall.

6. MISS MARY W. VAULX.
Instructor in English (Preparatory Department).
7. MISS MARY A. DAVIS.
Instructor in English and History (Preparatory Department).
8. MISS NAOMI WILLIAMS,
Instructor in Latin and History (Preparatory Department).
9. CHAPEL.
10. JANITOR'S ROOM.
11. CLOAK ROOM.
12. BOYS' STUDY HALL,
G. A. Cole, Instructor in Mathematics (Preparatory Department).
13. J. W. KUYKENDALL,
Principal Preparatory Department, Office.
14. J. H. REYNOLDS,
Professor of History.
15. J. W. CARR,
Professor of English and Modern Languages.
16. E. F. Shannon,
Associate Professor of English and Modern Languages.
17. YOUNG MEN'S CHRISTIAN ASSOCIATION.
18. R. E. PHILBECK,
Instructor in Mathematics and Physical Geography (Preparatory Department).
19. MISS HADGIE B. DAVIES,
Adjunct Professor of English and Modern Languages.
20. J. C. FUTRALL,
Professor of Ancient Languages.
21. C. H. BROUGH,
Professor of Economics and Sociology.
22. LIBRARY AND COLLEGIATE STUDY HALL,
Miss Ada Pace, Librarian.

23. GIRLS' CLOAK ROOM.
24. BOYS' CLOAK ROOM.
25. GIRLS' STUDY HALL.
Miss Rose Bennett, *Instructor in Mathematics and History*
(*Preparatory Department*).
26. PAUL SCHMOLCK,
Music Director.
27. B. J. DUNN,
Associate Professor of Mathematics.
28. T. C. TREADWAY,
Adjunct Professor of Mechanical Engineering.
29. W. S. JOHNSON,
Professor of Philosophy and Pedagogics.
30. JANITOR'S BEDROOM.
31. W. A. TREADWAY,
Instructor in Electrical Engineering.
32. F. W. PICKEL,
Professor of Biology.
33. G. W. DROKE,
Professor of Mathematics and Astronomy.
34. G. W. DROKE'S OFFICE.
35. B. N. WILSON,
Professor of Mechanical Engineering and Superintendent of
Mechanic Arts.
35. BIOLOGICAL LABORATORY.
36. MISS AMMEE LEVERETT, *Art.*
37. MUSIC PRACTICE ROOM.
38. J. J. KNOCH,
Professor of Civil Engineering.
38. W. N. GLADSON,
Professor of Electrical Engineering.
39. PROF. A. H. PURDUE'S OFFICE.
U. of A.—3.

40. MUSEUM.

41. MATHETIAN AND PERICLEAN SOCIETIES.

42. A. H. PURDUE,

Professor of Geology and Mining, and Curator of Museum.

43. MINERALOGICAL LABORATORY.

44. GARLAND SOCIETY.

45. GYMNASIUM.

Basement.

A. CIVIL ENGINEERING DRAWING ROOM, SENIOR CLASS.

B. CIVIL ENGINEERING LABORATORY.

C. X RAY ROOM.

D. STORAGE ROOM.

E. STORAGE ROOM.

F. VACANT.

G. VACANT.

H. BAND ROOM.

I. ORDNANCE STORE ROOM.

J. ARMORY.

K. ELECTRICAL LABORATORY.

Science Hall.

This building, designed especially for the departments of chemistry and physics, is a substantial two-story brick building, 50x90 feet. The basement is fitted up with suitable furnaces for assaying, metallurgical, and electrochemical work. On the first floor are the lecture rooms of the two departments, the general physical laboratory, the advanced physical laboratory and storeroom, and also the office of the professor in charge. On the second floor are the chemical laboratories, including a laboratory for general chemistry, a

laboratory for qualitative analysis, one devoted to quantitative analysis, and a private laboratory; also a storeroom for chemical supplies, a weighing room, and the office of the professor. The building is supplied with gas, water, steam heat, and with modern appliances for technical work. It will accommodate about 200 students.

Engineering Hall.

Engineering Hall is located on the main driveway, just south of University Hall. It accommodates the departments of electrical, civil and mechanical engineering, with offices, lecture rooms, and laboratories. It is built of native sandstone and pressed brick, with limestone trimmings. The construction is slow-burning and nearly fireproof.

The building is 150x58 feet 4 inches, three stories high and contains thirty-two rooms, aggregating about 26,000 square feet of floor space. A corridor divides the building from east to west and is intersected at the middle by another hallway from the front of the building, thus giving easy access to any room.

In addition to the laboratories, offices, lecture rooms and draughting rooms of the departments of engineering, there is an assembly room on the first floor for the accommodation of engineering societies, and other gatherings too large to be accommodated in a lecture room.

The library and reading room contains engineering magazines, journals and technical works on engineering.

Owing to the inadequate appropriation, the building is not fully equipped, but the design provides for steam heat from the central station, electric light and power, and an elevator from the basement to the second floor.

Mechanical Hall.

Mechanical Hall was built to take the place of the building consumed by fire on October 20, 1902. It is of brick, 40 feet wide and 155 feet in length, with a boiler house, 35x40 feet adjoining, and contains the machine shop, wood shop, and forge shop. The shops will accommodate about fifty students at one time.

Buchanan Hall.

This is a substantial and handsome brick building, three stories high, and containing over forty rooms. It is favorably located, with a view to the health of the occupants, and convenience of access to University Hall. The rooms are large, well ventilated and lighted, and open into broad corridors extending lengthwise through the building. From a wide veranda in front, there are three entrances to the building. There are also two rear entrances, and on the third floor a suite of rooms fitted up for an infirmary. Through the generosity of the ladies of Fayetteville, this suite of rooms has been thoroughly equipped. In the rear of the hall a brick building has been erected, which furnishes bath and toilet rooms, supplied with cold and hot water.

The New Dormitory.

The new dormitory, for which a special appropriation was made by the general assembly of 1901, is now in use. It is located west of University Hall and north of Buchanan Hall, and is convenient of access to both buildings. It is a substantial brick structure, three stories high, with a foundation of range stone work, and with trimmings of dressed limestone, and contains in all some twenty-five rooms. The first

story contains a commodious dining hall, 38x86 feet, which is sufficiently large to accommodate all students who occupy rooms in University dormitories. On this story also are kitchen, storeroom, furnace room, coal bin, etc. The second and third stories contain some twenty rooms for students, besides ample corridors, stairways, etc. By the aid of the superintendent and the liberality of the students and citizens a handsome suite of parlors has been tastefully and elegantly furnished. The entire building is heated by steam, lighted by electricity, and supplied with water by the city water-works.

Agricultural Buildings.

The principal buildings of the agricultural experiment station are of brick, one-story in height. They contain several offices, the laboratories of the station, the station museum, and several commodious storerooms. Belonging to the department of agriculture are a large barn, stock shed, dairy house, and other necessary outbuildings. There is also a handsome and conveniently located cottage residence for the manager of the University farm.

Horticultural Building.

This structure is 23x60 feet, is heated by steam, and supplied with improved ventilating apparatus and other modern conveniences. Attached to this is a building 24x30 feet, which is designed to be used as a laboratory for plant study. The equipment thus provided furnishes much-needed facilities for study and research to all persons interested in plant life, and especially to students of horticulture.

The building is located north of University Hall, and together with the improvement of the adjacent grounds, adds much to the sightliness of that part of the campus.

THE LIBRARY AND COLLEGIATE STUDY HALL.

The library occupies the north wing of University Hall, second floor. It now contains over 9,000 volumes, with numerous pamphlets, maps, charts, etc. Shelves are provided for 14,000 volumes, with room for expansion. There are also special libraries belonging to various departments comprising nearly 1,800 volumes.

The Dewey decimal system of classification and the Cutter book-numbers are used, thereby simplifying the circulation of books and the general care of the library.

The leading high class periodicals (including magazines, reviews and various technical monthlies) are regularly taken, and are bound as they accumulate. This vast fund of current literature is rendered more useful and accessible by "Poole's Complete Index" to periodic literature from 1802, to the present time. Forty-five magazines, thirty-five weekly and seven daily papers are received by the library.

Among the works of general reference in the library are many of the best encyclopedias and dictionaries.

The card catalogue, with a capacity for 30,000 volumes, greatly facilitates reference and increases the usefulness and popularity of the library. Cards for Warner's Library of the World's Best Literature, prepared by the American Library Association, have recently been added to this catalogue.

THE LABORATORIES, ETC.

In the laboratories of the University opportunities are afforded for practical instruction in chemistry, mineralogy, physics, botany, zoology, entomology, horticulture, and in civil, mechanical, electrical, chemical and mining engineering.

Chemical Laboratories.

The laboratories for chemical work are four in number and are situated in Science Hall. The laboratory of general chemistry is furnished with desks capable of accommodating a hundred students. Each desk has a cupboard and drawers, and is provided with gas and water. The qualitative laboratory has desks for sixteen students. Each desk is provided with suitable conveniences for taking care of apparatus, and is supplied with all the common reagents. The rooms are provided with hoods, soapstone sinks and other equipments usually found in chemical laboratories. The quantitative laboratory has suitable accommodation for sixteen students, with the usual equipments. Adjoining the quantitative laboratory is the weighing room, which contains three of Becker's analytical balances, besides a number of less accurate instruments suitable for weighing large quantities of chemicals. The storeroom contains all the apparatus and chemicals. The room is in charge of an assistant, who gives out the supplies. This room contains the apparatus for preparing distilled water. Adjoining the balance room is the private laboratory of the professor in charge.

The general physical laboratory is a room 20x70 feet, and is provided with large tables suitable for use in performing experiments in general physics and physical measurements. It has also pillars built up from the ground, and independent of the rest of the building, for the accommodation of delicate instruments which would otherwise be disturbed by the vibrations of the floor. The storeroom of physical apparatus is supplied with instruments suitable for illustrating the principles of physics and for the use of students in practical work.

The advanced physical laboratory has three cement tables, built up from the ground, wall attachments for galvanometers, and other conveniences for work in electricity, light and heat. There are also on the same floor two storerooms for lecture apparatus and a balance room for industrial chemistry.

Biological Laboratory.

The biological laboratory is located on the third floor of University Hall, and has accommodation for about forty students. The laboratory is furnished with work tables, a sink, and the necessary gas fixtures for incubators, sterilizers, etc., also an aquarium for keeping aquatic animals and plants on hand for observation and study. The equipment in apparatus consists of Bausch and Lomb compound microscopes, dissecting microscopes, microtomes, and such other apparatus and chemicals as are needed for practical work in biology. There is a collection of insects and also apparatus for collecting, drying, preserving and mounting insects. The laboratory has a number of skeletons of different animals, and models and charts for teaching plant and animal anatomy.

Geological Laboratory.

The geological laboratory is provided with aneroid barometers, compasses, hand-levels, pedometers, etc., for field work, two petrographic microscopes, and an excellent equipment of drawing apparatus for the construction of geological sections and topographic maps; also, with apparatus for the construction of relief maps.

There is a well-equipped laboratory for determinative mineralogy, and a room for the preparation of relief maps and other work connected with the department of geology.

Mechanical Engineering Laboratory.

The laboratory contains the following machinery: One 15-horsepower vertical boiler; one 10-horsepower slide-valve steam engine; one 10-horsepower Hamilton gasoline engine; one 35-horsepower Westinghouse compound steam engine; one 3x4 duplex steam pump, and one 60,000-pound Rheile testing machine.

The laboratory is well provided with apparatus for experimental work, including steam calorimeters, engine indicators, and counters, injectors, thermometers, pressure gauges, measuring tanks, feed-water heaters, condensers, etc.

The steam boilers used for heating the University buildings are arranged so as to be available for experimental work, and the shop engine, a Corliss, is also used for purposes of instruction.

Electrical Laboratories.

The Dynamo Laboratory affords excellent facilities for experimental work with practical machinery. It is located in the east end of the basement of Engineering Hall.

The power is supplied by a 30-horsepower vertical type, double cylinder, gasoline engine. A 60-cell, 300 ampere-hour storage battery supplies current for experiments in which an absolutely steady power is desired.

There are direct current dynamos and motors, of the constant current and constant potential types. Single, two, and three phase alternators supply current at various voltages and frequencies. There are transformers, converters, synchronous and induction motors, with a liberal supply of measuring instruments for use with the various machines.

The Senior Laboratory is located on the first floor of Engineering Hall and is supplied with direct current at 110, 220 and 500 volts. Alternate current, single phase at 50, 100 or 200 volts and 60 cycles. Two phase, 60 cycle at 110 or 220. Three phase at 110 or 220 volts, with a frequency of 60 to 133 cycles per second. A high tension testing transformer supplies current at any voltage up to 120,000 volts for testing of insulators, while standard cells, a Kelvin balance and a potentiometer furnish means for calibrating the laboratory measuring instruments.

The equipment enables students to carry on experimental work of a very wide range and to attain proficiency in operating and testing electrical machinery.

Students are also permitted to inspect the plant of the Fayetteville Electric Light & Power Company, and to take measurements and make tests on it. Their primary mains supply our laboratory with alternate current at 125 cycles and 2,000 volts.

The Photometric Laboratory, which also serves as a photographic and x-ray dark room, is supplied with a standard photometer bar, Lummer-Brodhun screen and Amylace-tate lamp. It is connected by cable with the switch-boards in the storage battery room and in the dynamo room.

Civil Engineering Laboratory and Equipment.

The civil engineering laboratory is provided with all necessary instruments for work in land, railroad, and city surveying. The equipment of field instruments has been selected so as to afford students the opportunity of becoming familiar with the instruments of different manufacturers. Among the usual field instruments there are a number of engineers' transits, theodolite, Y levels, transit with solar attachment, compasses, hand levels, standard and ordinary steel tapes, aneroid barometers, plane table, sextant, etc.

The laboratory has been entirely remodeled, now occupying two large, well-lighted rooms in the basement of the main building. An equipment for work in practical astronomy has also been added, consisting of a large altazimuth, reading to seconds by levels and micrometers; a sidereal clock with break circuit attachment and a chronograph reading to tenths of seconds.

Cement Laboratory.

The equipment for the purpose of testing the strength of mortars and cement, includes one 2,000-pound tensile testing machine, standard consistency apparatus, Vicat's and Gilmore's needles for determining set, metal moulds for tension, compression and transverse test-pieces, steaming apparatus for blowing tests, and sieves for fineness.

Shops.

The machine shop contains a Corliss engine, which runs the machinery in the whole building, a large iron planer, a shaper, four lathes of different sizes and makes, drill press, two grinding machines, milling machine, and a good supply of hand tools, benches and materials.

The forge shop contains eight Buffalo forges with down draft which takes the smoke away through underground pipes, thus avoiding the smoke and dirt of the ordinary blacksmith shop. It also contains a shearing and a punching machine, eight anvils of different weights, and all the necessary blacksmith tools for the eight forges.

The wood shop contains one buzz planer, one large cylinder planer, circular saw, band saw, mortising and boring machine, five smaller lathes, one 18-inch patternmaker's lathe, and twenty-six benches, each equipped with a complete set of carpenter's tools.

The foundry contains one Colliau cupola with a capacity of one and one-half tons of iron per hour, one brass furnace of 150 pounds capacity, a Buffalo pressure blower, and a coke oven.

The boiler room contains three 70-horsepower boilers, feed pump, injectors, measuring tanks, etc.

The various departments of the shop building afford facilities for giving practical instruction to fifty students at one time.

Among the facilities for instruction in engineering contained in the equipment of the mechanical department in addition to the shop equipment may be mentioned: A Dean steam pump with air chamber, water and steam cylinders, and

valve chambers sectioned, so that a student may see the working parts; a Cameron steam pump with a steam cylinder sectioned, showing the valve motion; a Knowles pump in full working order; a Blake steam pump in section; sections of injectors; a model of a Stevenson's link motion; and a collection of samples of manufactured articles, such as steam pipe coverings, leather beltings, lubricating oils, etc.

M. E. Drawing Room.

The equipment includes the usual tables and stools; and among the special apparatus and instruments may be mentioned the planimeter, odontograph, slide rule, etc. A blue-print room contains complete facilities for the details of the blue print process. One room is provided with photographic facilities, which will be used to prepare lantern slides and prints illustrating various branches of engineering.

Physical Culture Room.

A large room on the north wing of University Hall is set apart for the use of the department of physical culture. This room has been furnished as far as means were available with the equipment necessary for systematic physical training.

The Armory.

The armory is a large, well-lighted room, 60x80 feet, occupying the entire basement of the north wing of University Hall. It is substantially fitted up with arm racks, compartments for equipments, and other conveniences. Two adjacent rooms are assigned to the military department, and are used as bandroom and storeroom.

The equipment of the department consists of 300 Springfield cadet rifles, of the same model as those used at the United States Military Academy at West Point, 300 sets of infantry equipments, twenty-seven cadet swords (West Point pattern), national colors, flags, signal equipment, ammunition, etc., and a superior set of band instruments.

The arms and equipments are furnished the University by the general government. The other equipments have been purchased by the University and belong to the military department. The equipment is sufficient for a battalion of 400 cadets.

The Museum.

The museum occupies the fourth floor of the south wing of University Hall. Large additions have been made to its equipment with a view to facilitate instruction in geology and biology, and also to make it of increased interest to the visiting public. That portion of the collection suitable for display is arranged in glass cases, while the working collection is in drawers. Four sloping-top cases with drawers beneath afford space for several thousand specimens.

Relief Maps. For illustration in geology and general interest to the public, there have been placed in the museum the following relief maps: geological relief maps of the state of Arkansas, Colorado Canon, central Tennessee and the United States; a convex relief map of the United States on a section of a globe sixteen feet in diameter; a relief map of Carmel Bay, California; Ice Spring Craters, Utah; Yosemite Valley, Palestine, Mount Vesuvius, the state of California, and San Francisco Peninsula. Other maps are in preparation at the University.

The Mineral Collection. The mineral collection contains about 2,000 specimens, representing the different mineral groups. Many of these specimens are displayed in cases.

The Petrographic Collection. The most valuable part of this collection consists of the series furnished by the United States geological survey, representing sedimentary, igneous and metamorphic rocks. Besides this, there is a valuable collection of building and other stones from different parts of the country.

Paleontological Collection. There is a large collection of fossils in the museum, but as they have not yet been arranged and catalogued, the number of specimens cannot be even estimated.

The Major Earle Collection. Major F. R. Earle has deposited in the museum his private collection of minerals and fossils. This collection was formerly in Cane Hill College.

The Zoological and Botanical Collection. This collection consists of 200 birds and mammals, representing eighty species; 200 reptiles and amphibians, representing forty species; 1,500 fishes, representing 350 species; 1,000 insects and other invertebrates, representing 200 species; several skeletons.

Donations to the museum will be gratefully acknowledged, and the donors may be sure that anything of value sent to it will be carefully preserved and duly credited to the donor. Collections in the hands of private parties are likely to be soon scattered and destroyed through lack of care

or improper handling. The museum is now prepared to receive collections on deposit, and to preserve and display them under the owner's name until called for.

While the museum is most important on account of its educational value, it at the same time serves an important purpose in representing the resources of this state.

Athletic Field.

For the accommodation of the University football and baseball teams and spectators there is an excellent athletic field, with a covered grandstand.

ADMISSION TO THE COLLEGE.

***General Conditions of Admission.**

Candidates for admission are urged to be present on the opening day of the session. Admission at a later date is not refused, but is attended with greater or less inconvenience.

Students on their arrival in Fayetteville should report promptly to the president. Needless delay in reporting or unseemly conduct may justify exclusion from the University.

Applicants should present certificates of honorable discharge from the school last attended, or furnish other testimonials of good moral character.

Entrance examinations will be required of all students entering the University except those who bring certificates from accredited preparatory schools or from other reputable colleges or universities. For the time at which these examinations will be held see page 87.

*For terms of admission to the preparatory department see page 94.

Admission to the Freshman Class

The requirements for admission to the Freshman class consist partly of constants, or required subjects, and partly of electives. At present a student must present for admission to the B. A., B. S., and Normal courses thirty-one credits; to the engineering courses, twenty-four credits. One credit is regarded as the equivalent of one recitation of sixty minutes, or two recitations of thirty minutes each, in a study for a school year of thirty-six weeks. Below will be found a detailed statement of the requirements for admission to the different courses:

For the B. A., B. S., and Normal Courses.**Required:**

English, 8 credits.

Algebra, 5 credits.

Plane Geometry, 4 credits.

United States History, 3 credits.

General History or Greek and Roman History,
3 credits.

Total, 23 credits.

Required in addition, 8 credits selected from the following groups:

Group A:	{	Latin, 8 credits.
	{	Greek, 8 credits.
	{	French, 8 credits.
	{	German, 8 credits.

Group B:	{	Physical Geography, 2 credits.
		Physiology, 2 credits.
		Botany, 2 credits.
		Zoology, 2 credits.
		Physics, 2 credits.
		Chemistry, 2 credits.
		English History, 2 credits.
		Civil Government, 2 credits.
		Bookkeeping, 2 credits.
		Freehand Drawing, 2 credits.
		Manual Training, 2 credits.
		Mechanical Drawing, 2 credits.

Candidates for the B. A. degree will be required to present eight credits from group A, all in one language.

Candidates for the B. S. degree, or for the Normal course, will be required to present eight credits selected from group A or B, or both.

For the Engineering Courses.

Required:

English, 8 credits.

Algebra, 5 credits.

Plane Geometry, 4 credits.

United States History, 3 credits.

Total, 20 credits.

Required in addition, 4 credits selected from any one of the subjects in A or any two in B.

Entrance Examination Subjects.

The following is a statement of the work in the different subjects, both required and elective, upon which the college entrance examinations will be based:

English.

Eight Credits

I. *Composition.* The candidate will be required to write a composition upon one of several topics, drawn in 1904 and 1905 from the following works:

Shakspeare's *Merchant of Venice* and *Julius Caesar*; *The Sir Roger de Coverley Papers in the Spectator*; Goldsmith's *Vicar of Wakefield*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Carlyle's *Essay on Burns*; Tennyson's *Princess*; Lowell's *Vision of Sir Launfal*; George Eliot's *Silas Marner*.

In 1906, 1907 and 1908 the topics for composition will be drawn from the following works:

Shakspeare's *Merchant of Venice* and *Macbeth*; *The Sir Roger de Coverley Papers in the Spectator*; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *Lady of the Lake*; Tennyson's *Gareth and Lynett*, *Lancelot and Elaine*, and *Passing of Arthur*; Lowell's *Vision of Sir Launfal*; Eliot's *Silas Marner*.

II. *Careful Study.* A certain number of books will be prescribed for careful study. This part of the examination will be upon subject-matter, literary form, and logical structure, and will also test the candidate's ability to express his knowledge clearly and accurately. The books prescribed for this part of the examination in 1904 and 1905 are:

Shakspeare's *Macbeth*, Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

In 1906, 1907 and 1908 the books prescribed for this part of the examination are:

Shakspeare's *Julius Caesar*; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison* and *Essay on Boswell's Life of Johnson*.

The candidate is expected to read intelligently all the books mentioned in I. He should read them as he reads other books; he is expected, not to know them minutely, but to have freshly in mind their most important parts. In every case knowledge of the book will be regarded as less important than ability to write English. As additional evidence of preparation, the candidate may present an exercise-book, properly certified by his instructor, containing compositions or other written work.

While there is no formal examination in grammar or rhetoric, no candidate will be accepted in English, whose work is seriously defective in point of spelling, grammar, idiom, punctuation, or division into paragraphs.

In connection with the reading and study of the prescribed books, parallel or subsidiary reading should be encouraged, and *a considerable amount of English poetry should be committed to memory.*

Algebra.

Five Credits.

To simultaneous quadratic equations, with special attention to factoring, the theory of exponents, and radicals. The examination will be taken from Wentworth's Higher Algebra.

Plane Geometry.

Four Credits.

All of Plane Geometry will be required for admission to the Freshman class.

United States History.

Three Credits.

The completion of Montgomery's Leading Facts or an equivalent.

General History.

Three Credits.

The completion of Meyers's General History or an equivalent.

History of Greece and Rome.

Three Credits.

The completion of Meyers's History of Greece and Meyers's History of Rome, or equivalent.

English History.

Two Credits.

The completion of some good history of England, like Montgomery's or Larned's.

Latin.

Four Credits.

(a) First Latin Book complete; Text-book: Collar & Daniell, Bennett, or an equivalent.

(b) Caesar and prose composition. Four books of Caesar, with twenty-five lessons in Bennett's Latin Composition, or the equivalent.

Greek.

Four Credits.

(a) The completion of White's Beginner's Greek, or an equivalent.

(b) Three books of Xenophon's Anabasis, with the whole of Collar & Daniell's Greek Prose Composition.

Elementary German.

Four Credits.

The examination will be suited to the proficiency of those who have had the equivalent of German 1 (see page 128 of this catalogue), and will test (a) the candidate's knowledge of the rudiments of German grammar; (b) ability to read easy prose at sight, and (c) to translate simple English sentences into German. The candidate should have read 200 pages of easy prose.

Advanced German.

Four Credits.

The examination will be suited to the proficiency of those who have had the equivalent of German 2 (see page 128 of this catalogue), and will test the candidate's ability (a) to read modern German prose and poetry at sight, and (b) to translate easy English narrative into German. The candidate should have read 370 pages of the works of Riehl, Freytag, Heine, Lessing, Goethe, and Schiller, and thirty pages of lyrics and ballads.

Elementary French.

Four Credits.

The examination will be suited to the proficiency of those who have had the equivalent of French 1 (see page 129 of this catalogue), and will include (a) the translation at sight of ordinary nineteenth century prose; (b) the translation from English into French of sentences to test the candidate's familiarity with elementary grammar. The candidate should have read 300 pages of simple prose.

Advanced French.*Four Credits.*

The examination will be suited to the proficiency of those who have had the equivalent of French 2 (see page 129 of this catalogue), and will test the candidate's ability (a) to translate standard French prose and poetry at sight, and (b) to turn easy English prose into French. The candidate should have read 600 pages in the works of such authors as Daudet, Loti, Sandeau, Corneille, Racine and Moliere.

Chemistry.*Two Credits.*

Remsen's Chemistry (Elementary Course), Freer's Elements of Chemistry, or Hessler & Smith's Essentials of Chemistry, or an equivalent; sufficient apparatus for the teacher to perform all the experiments.

Physics.*Two Credits.*

Gage's Elements of Physics, Appleton's School Physics, or Hall & Bergen's Physics, or an equivalent; sufficient apparatus for the teacher to perform all the experiments.

Physical Geography.*Two Credits.*

Davis's Physical Geography, or Gilbert & Brigham's Physical Geography, or an equivalent.

Physiology.*Two Credits.*

Martin's Human Body, elementary course, or an equivalent.

Botany.*Two Credits.*

Gray's Lessons in Botany and Vegetable Physiology, or an equivalent.

Zoology.*Two Credits.*

Packard's Zoology, elementary course, and Boyer's Laboratory Guide, or an equivalent.

Civil Government.*Two Credits.*

McLeary's Civil Government and Arkansas and the Nation, or an equivalent.

Bookkeeping.

Two Credits.

Credits in bookkeeping will be given upon the certificate of the instructor stating the amount of work done, when accompanied by a complete set of practice books in double entry, satisfactorily written up.

Free-hand Drawing.

Two Credits.

Drawings from models and machine parts, or credit may be given on good art drawings.

Shop Work.

Two Credits.

Credits in manual training, carpentry, machine shop, forge shop or foundry will be accepted.

Order of Examinations for Admission in 1904.

Wednesday, September 14.—9 a. m., registration of students; 1 to 3 p. m., Geometry.

Thursday, September 15.—1 to 4 p. m., Algebra.

Friday, September 16.—1 to 4 p. m., Latin.

Saturday, September 17.—9 a. m. to 12 m., English Composition and Literature; 1 to 2:30 p. m., U. S. History; 2:30 to 4 p. m., General History.

The order of examinations in other subjects will be announced at the opening of the University.

Examinations at Places other than Fayetteville.

Students living at a distance from the University may obtain special examinations near their homes if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his indorsement that the examination was properly conducted.

Admission by Certificates.

The graduates of accredited schools are admitted to the Freshman class in the University without examination, provided, in all cases, certificates from the principal of the school attended be presented, containing specific statements of the kind and extent of work done in the studies in which credits are desired. Blank forms for such certificates will be furnished by the University. Students from schools regularly accredited to other reputable colleges and universities will be admitted to the Freshman class without examination, provided they present evidence that such schools are duly accredited and that they have completed the work required for admission to the Freshman class of this University in the courses which they desire to take.

A student who presents a certificate of scholarship from a high school, academy, or college not on the list of accredited schools, is required to take such examinations as may be prescribed. The result of such examinations, together with the certificates, will be passed on and proper credit allowed by the professors of the departments which such student proposes to enter.

Admission to Advanced Standing.

Candidates for admission to classes in advance of the Freshman will be required to pass satisfactory examinations in the subject previously pursued by the class which they propose to enter. But such candidates coming from colleges or universities of good standing may on the presentation of the proper certificates as to the studies pursued be admitted provisionally to such standing and upon such terms as the faculty may deem equitable in each case.

Accredited Schools.

Any school desiring accredited relations with the University should make application to the accredited school committee. The application should state clearly the textbooks used, the length of the school term and of recitation periods, equipments such as library and scientific apparatus, the names of teachers doing high school work, with their qualifications as shown by education and experience. When this information is received the University will, if it is deemed best, send an officer of the institution or some other competent person to inspect the school; and from the data secured from all sources the University will decide whether or not the school shall be accredited. But as the University has neither funds nor an officer set apart for this purpose, delays may occur in visitation; the authorities, however, will be as prompt in the matter as possible.

The principals of accredited schools should report annually all changes in course of study and teaching force. The University may visit an accredited school or may call for information at any time. Failure to keep the University informed regarding the school may be the occasion of dropping the same from the list. To prepare for Freshman class the course of study should not be less than three years of thirty-six weeks each, based on an elementary course of seven or eight years. The University looks with distrust upon pretentious schools; and, if the course of study announced by a school applying for accredited relations is more than the teaching force can do well, that fact will prejudice the cause of said school.

The University earnestly desires to cultivate friendly and harmonious relations with all other educational institutions of the state, and to add to its list all schools that are doing the required work and that desire to assume the accredited relation.

List of Accredited Schools.

Below is given a list of accredited schools already accredited. New names are added from time to time. No effort is made in the list given below to classify the schools. Some of them do more work than is required for entrance; while others fall short of meeting entrance conditions in one or two subjects. A record is kept by the University of the subjects in which each school is accredited.

Harrison High School.....	Principal, W. H. Watkins.
Bellfonte High School.....	Principal, W. D. Jeter.
Fort Smith High School.....	Principal, B. W. Torreyson.
Little Rock High School.....	Principal, Howard Gates.
Marianna High School.....	Principal, C. L. O'Daniel.
Lonoke High School.....	Principal, A. J. Meadow.
Pine Bluff High School.....	Principal, J. H. Thatch.
Paris (Tex.) High School.....	Principal, J. P. Downer.
Helena High School.....	Principal, S. H. Spragins.
Hot Springs High School.....	Principal, Geo. B. Cook.
Amity High School.....	Principal, S. M. Samson.
Paris Academy.....	Principal, G. S. Minmier.
Dardanelle High School.....	Principal, W. T. Blount.
Eureka Springs High School.....	Principal, C. S. Barnett.
Southwestern Academy, Magnolia.....	Principal, J. M. Williams.
Texarkana High School.....	Principal, W. S. Horton.
Hope High School.....	Principal, J. T. Shipman.
Thompson's Classical Institute, Paragould.....	
.....	Principal, R. S. Thompson.
Fordyce Training School.....	Principal, M. E. Holderness.

Camden High School.....	Principal, H. H. Harper.
Spears-Langford Military Academy, Searcy..	Principal, R. B. Willis.
Van Buren High School.....	Principal, O. O. Florence.
Green Forest Academy.....	Principal, E. C. Cooper.
Arkansas Cumberland College.....	Principal, Edwin H. Tiles.
Springdale High School.....	Principal, M. F. Croxdale.
Salem High School.....	Principal, J. W. C. Gardner.
Batesville Public Schools.....	Principal, T. E. Sanders.
Bentonville Academy, Ouachita.....	Principal, E. R. Wilson.
Mountain Home Academy, Ouachita....	Principal, Louis A. Morton.
Stuttgart High School.....	Principal, G. G. Sampson.
Argenta High School.....	Principal, E. R. Robinson.
Prairie Grove High School.....	Principal, J. H. Caldwell.
Hinemon University High School....	Principal, John W. Shewmake.
Hamburg High School.....	Principal, J. R. McChesney.
Clarendon High School.....	Principal, J. McCullough.
Corning High School.....	Principal, W. W. Henry.
El Dorado High School.....	Principal, Albert F. Riley.
Newport High School.....	Principal, George R. Hopkins.
Arkansas Military Academy.....	Principal, R. C. Hall.

GENERAL INFORMATION.

Selection of Courses of Study.

Students are allowed all reasonable freedom in choosing their courses of study. But they are required to pursue their studies in the order prescribed, and, when candidates for a degree, to complete, as a condition of graduation, all the subjects in the course leading to such degree. Changes in the course of study selected are discouraged, but for sufficient reasons are allowed if made within three weeks after admission; subsequently no such change can be made during the session except by the express permission of the faculty.

Number of Recitations.

Not less than twelve nor more than sixteen recitations or their equivalent per week, exclusive of military science and tactics, may be taken by B. A. and B. S. students, except by permission of the faculty. These conditions apply to engineering students, except that they may have not more than eighteen recitations a week. Two hours of laboratory, shop or farm work, drawing or sight-reading, are counted equivalent to one recitation. If less than twelve recitations or their equivalent per week are specified in any course, studies must be elected to make up the deficiency.

Classification of Students.

The satisfactory completion of the work of a class as attested by daily recitations and examinations is the condition of enrollment in a higher class. Some margin, however, is allowed for making up studies in arrears. But more than six hours per week required for such studies or more than six hours per week omitted from the studies of a given class prevent enrollment therein, except that in the engineering courses the number in both cases may be as many as eight. No student who has more than six hours per week of unfinished preparatory work can be classified as Freshman.

Special Students.

1. Students are advised to pursue, in all cases in which it is practicable, some one of the regular courses leading to a degree. The number of these courses and the liberal provision for electives allow sufficient play for individual preference in the selection of subjects required for a liberal and well-rounded education.

2. Students who are not candidates for a degree, but who have completed all the studies below the Freshman class, may elect a special course of study under the supervision of the classification committee and with the approval of the professors in charge of the subjects chosen.

3. Persons not less than twenty-one years of age may elect a special course of study under the direction of the faculty, provided they show by examination or otherwise that they are qualified to pursue profitably the studies which they propose to take up.

4. Students in special courses are subject to the same regulations and to the same examinations in the studies pursued as all other undergraduate students.

Term Examinations.

1. Examinations, chiefly in writing, are held near the end of each term. The grades are determined by combining the values of the daily recitations and of the examinations, and are divided into four groups, as follows: "Excellent" (E); "Good" (G); "Fair" (F); "Poor" (P). A grade not lower than "Fair" is required for a "pass," which is the equivalent of about 75 per cent. At the end of each term a report is made to the parent or guardian of each student showing his progress, general conduct, etc.

2. If a student has failed in any study, he may nevertheless be allowed to take up the next study in advance, provided he be deemed by the professor in charge of the department to which such study belongs not incompetent to pursue it; but he will be required to pass a satisfactory examination in the study in which he failed, or take it up with the next class.

3. If a student has proved competent to continue his advanced work, but has not completed all the preceding studies in his course, he must resume the latter, and if he be found to be overworked, he will be required to drop a part of his advanced work.

Appointment of Beneficiaries.

Beneficiary appointments entitle the holders to free tuition. Such an appointment may be obtained from the county judge of the county in which the student resides, or from the president on arrival at the University. The total number of beneficiaries allowed to the state is 1,000, a number that is still in excess of the number of holders of these appointments.

Expenses.

It is the object of the University to give the best possible education at the lowest possible cost. Tuition is free to all students. A matriculation fee of five dollars is charged all candidates for admission. The following estimates are taken from the actual expenses of students for the session of 1901-1902.

	Low.	Medium.	Liberal.
Clothes, including uniform.....	\$ 20.00	\$ 25.00	\$ 45.00
Board, laundry, etc.....	95.00	112.00	135.00
Books, instruments, etc.....	10.00	15.00	15.00
Incidentals	15.00	25.00	35.00
Matriculation fee	5.00	5.00	5.00
	<hr/>	<hr/>	<hr/>
	\$145.00	\$182.00	\$235.00

Fees are payable in advance. Board bills are payable monthly in advance.

A diploma fee of \$5 is charged for all graduates. All dues are to be paid or satisfactorily adjusted before diplomas are conferred.

Student Labor.

A large part of the student body work during vacant hours to meet part of their expenses.

The legislature has provided a fund known as the "student labor fund," which provides work for deserving young men who need help to meet their college expenses. Considerable manual labor is necessary to carry on the various departments of the University, and students who desire to work are employed when practicable and paid at the rate of ten cents per hour. The requests for work always exceed the amount of money appropriated and the University makes no promises to furnish employment for wages to all who apply.

Board for Young Men.

Rooms in the University dormitories are free, but occupants provide their furniture, fuel, and lights. Students leaving the University frequently sell their furniture at a small reduction. If there are not rooms enough for all, preference is given to Arkansas students. An officer of the University is in charge of the building, and the rooms are inspected by the faculty whenever it is deemed necessary.

Students boarding elsewhere are under the supervision of the president of the University, and are allowed to board only at places approved by him. No student is allowed to change his boarding place without the consent of the president.

NOTE.—The reception committee of the Y. M. C. A. will meet all trains and assist the incoming students in finding eligible boarding places.

Board for Young Women.

Sufficient funds have not yet been secured to provide a dormitory for young women, but all necessary assistance is rendered them in finding homes in private families in the town. Parents, therefore, who send a daughter to the University, should place her under the control of the family with whom she boards, subject to the general supervision of the president of the University.

Absences and Withdrawals.

Absences from the University during the session are not permitted except for valid reasons. The right of a parent to withdraw his son at any time, without reason assigned, is recognized, but without such withdrawal the student cannot be relieved of the obligation to attend to University duties. The incidental absences of students during the session are exceedingly disadvantageous, both to themselves and to the University. While, therefore, the president permits them, in cases where propriety or urgent necessity seems to make them unavoidable, it is held to be a duty to inquire into the reasons for which the permission is solicited.

Parents or guardians who wish to withdraw their children or wards from the University should write to the president stating their wishes. No honorable discharge will be given to a student under age who is unable to produce the written application of his parent or guardian for his withdrawal, nor will an honorable discharge be given to a student under censure of any kind, whether for neglect of duty or other cause, even though he may have the consent of his parent or guardian to his withdrawal from the University.

Sale of Ardent Spirits Prohibited.

By an act of the general assembly of the state of Arkansas, approved March 6, 1875, it is unlawful for any person to sell or give away any vinous or ardent spirits within three miles of the University of Arkansas, unless it be prescribed by a regular practicing physician for medicinal purposes.

The Science Club.

The Science Club is composed of University professors and instructors, and members of the experiment station staff. Meetings are held fortnightly, at which papers, more or less technical, are read and discussed.

The officers for 1903-1904 are as follows:

President, Dr. A. M. Muckenfuss.

Vice President, Prof. A. H. Purdue.

Secretary, Prof. J. H. Reynolds.

The Engineering Club.

This organization is composed of teachers and students of the various branches of engineering in the University. Regular meetings are held, at which technical papers are read and discussed, or experiments performed. The officers for 1903-1904 are as follows:

President, L. B. Bryan.

Vice President, T. C. Treadway.

Secretary and Treasurer, E. W. McAlester.

Literary Societies.

There are three literary societies, the Mathetian, founded in 1873; the Garland, founded in 1886; and the Periclean, founded in 1901. The Mathetian Society is composed of collegiate students of both sexes; the Garland and

the Periclean societies, of male collegiate and preparatory students. The weekly meetings of the three societies afford excellent opportunities for improvement in composition, declamation, debate, etc.

PRIZES.

The William Jennings Bryan Prize.

A prize fund of \$250 has been bestowed upon the University through the liberality of Hon. W. J. Bryan, of Nebraska, and a prize named in his honor and consisting of the annual income of this fund will be offered each year, provided productions worthy of its bestowal be presented.

The prize will be awarded for the best essay on some topic relating to the problems of government, and the subjects for competition will be selected in alternate years by the department of economics and sociology and the department of history. The contest will be open to students who have junior or senior standing, more than half of whose work has been of the grade G, and to special students in the collegiate department who have thirty-two hours' credit of a similar grade.

The subject for the year 1904-1905 will be announced in September, 1904. Further details of the plans of competition may be obtained from the professor of economics and sociology. The competitive essay must be submitted by the first of May, 1905.

The Johnson Prize.

Professor W. S. Johnson offers a valuable loving cup to be competed for in an oratorical contest open to the members of the three literary societies.

Prize in the Garland Society.

Instructor G. A. Cole offers a prize to be competed for by the members of the Garland Society. This prize is for the greatest improvement in debate.

Prize in the Periclean Society.

The professor of English and modern languages offers, in memory of General Albert Pike, a prize for the best delivery of a British oration by a member of the Periclean Society.

CHAPEL EXERCISES.

Religious exercises are held in the University chapel every morning at twenty minutes past eight. Students are required to attend.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

Officers.

RAY H. LEGATE, President.

J. P. STEELE, Vice President.

J. W. GARDNER, Recording Secretary.

C. W. WEBB, JR., Corresponding Secretary.

THOMAS ABE COLLINS, Treasurer.

Object. The Young Men's Christian Association is the largest student organization in the University. It stands for higher spiritual life among the members, and for united effort to help others in the attempt to live consistent Christian lives.

Work. The distinctive work of the association consists in promoting individual study of the Bible by means of small classes under student leaders, in arranging various

Bible lecture courses, in maintaining a weekly prayer-service, held on Wednesday night from 6:45 to 7:30, in assisting, through some of its members, the work of the city mission, and in inviting eminent Christian workers to address the students on religious matters.

Bible Study. The Young Men's Christian Association offers the following courses in Bible study, open to all students: (1) Harmony of the Gospels, and Studies in the Life of Christ; (2) Studies in the Life of Paul; (3) The Gospel According to St. Mark. The two courses last named are conducted by student leaders. Efforts are being made to establish classes in the large boarding houses out in town.

Y. M. C. A. Equipment. A room in University Hall, No. 17, is now being used by the association for committee work and incidental business. One of the literary society halls is used for the public services. A movement is on foot to furnish a suite of rooms for association work. These rooms, with the many conveniences they will have, will greatly facilitate the work of the association.

Membership. The membership of the association consists of two classes, active and associate members; any member of an evangelical church, who is in good standing, may become an active member of the association; any young man of good moral character may become an associate member upon payment of the annual dues.

Indorsement. The trustees and the faculty of the University heartily commend the work of the association, and it is earnestly desired that every parent or guardian see to it that the student under his care be encouraged to join the association as soon as he reaches the University.

CHURCHES.

The churches of Fayetteville cordially welcome the students to their Sunday schools and various meetings for prayer and religious instruction. Many students are actively engaged in the work of the different church societies and guilds.

The pastors of the city are actively interested in the spiritual welfare of the students. There follows a list of the local churches and pastors, with the addresses of the latter:

Baptist—Rev. J. E. Denham, 16 N. Locust Street.

Christian (First)—Rev. N. M. Ragland, 215 E. Dickson Street.

Christian (Second)—Rev. John Hinds, Cor. Wall and Cemetery Streets.

Cumberland Presbyterian—Rev. R. Thomsen, 308 St. Charles Street.

Methodist Episcopal—Rev. Mr. Ross, Cor. W. Rock and School Streets.

Methodist Episcopal, South—Rev. E. R. Steel, 309 Highland Avenue.

Methodist Protestant—Rev. J. A. Kilgore, Leverett Street.

Presbyterian—Rev. J. F. Lawson, 4 E. Lafayette Avenue.

Protestant Episcopal—Rev. J. B. Whaling, 354 College Avenue.

Roman Catholic—Rev. W. J. Carroll, 354 N. Willow Street.

Seventh Day Adventist—

ATHLETIC ASSOCIATION.

The purpose of this organization is to encourage the development of the physical man.

The association as originally formed consisted of the U. of A. Athletic Club, the U. of A. Tennis Club, the U. of A. Baseball Club, and the U. of A. Football Club; and it is further provided that if any other club, organized by the students of the University for the practice of any sport, game, or exercise, not already represented by one of the

members of the association, shall make a written application for membership in the association, and the said application shall be approved by the governing body of the association, the petitioning club shall become a member of the association with all the rights and privileges pertaining to such membership.

Faculty Rules for the Government of Athletics.

Rule 1. No one shall participate in any sport as a member of a team representing the University unless he be a *bona fide* student doing full work in a regular or special course as defined in the catalogue.

Rule 2. No person shall be admitted to any athletic contest who receives any gift, remuneration, or pay for his services on the college team.

Rule 3. No student shall be permitted to participate in any athletic contest who is found by the faculty to be a delinquent in his studies.

Rule 4. The elections of managers and captains of all athletic teams shall be subject to the approval of the faculty committee on athletics.

Rule 5. Before every athletic contest in which a University team is to be engaged, the captain of such team shall submit to the chairman of the faculty committee on athletics a list of the players eligible under the rules to participate in said contest. It shall be the duty of the captain to exclude all players from the contest except those so certified.

Rule 6. The faculty committee on athletics shall require each candidate for a team to represent the University to subscribe to a statement that he is eligible under the letter and spirit of the rules adopted by the faculty.

Rule 7. No person having been a member of a college athletic team during any year and having been in attendance less than one college half year shall be permitted to play on any athletic team thereafter until he shall have been in attendance six consecutive calendar months.

COMPETITION AMONG THE COMPANIES OF CADETS.

At the competitive drill, held in June, 1903, and participated in by five companies of the corps of cadets of the University of Arkansas, Company E made the highest score. The following is the roll of the officers, non-commissioned officers, and privates who participated in that contest and were members of the company at that time:

COMPANY "E"

Captain, Austin, R. L.

First Lieutenant, Wilson, J. R. Second Lieutenant, Gray, C. W.

First Sergeant, Taylor, Rupert.

SERGEANTS.

Chapple, E. W., 2d.
Quarles, T. C., 4th.

Morrow, D. B., 3d.
Martin, R. M., 5th.

CORPORALS.

Mullins, T. C.
Schicker, E. B.

James, J. J.
Mercer, C. F.

PRIVATES,

Baker, G. C.
Barham, H. W.
Boles, A. P.
Bryant, W. C.
Buford, C. H.
Cabe, R. L.
Chase, G. E.
Cubage, J. G.
Reagan, Z. L.
Shelton, W. T.
Skirving, G. W.
Spears, B. W.
Tilman, J. W.
Yarbrough, C. S.

Dalton, C. E.
Frazer, L. R.
Garrett, F. A.
Galloway, S.
Gregg, A. W.
Harvey, Ben.
Henry, A. F.
Lark, W. H.
Jourdan, J. K.
Smith, E. C.
Bishop, J. M.
McCloud, W. D.
Vandever, G. E.
Shivel, O. L.

Captain's Competition.

To Captain R. L. Austin, of Company E, was awarded the sword for being the best drilled captain.

Individual Competition.

To Sergeant G. W. Mullins, was awarded a gold medal for being the best drilled non-commissioned officer.

To Cadet Sandford Stewart was awarded a gold medal for being the best drilled private.

**ORGANIZATION OF THE CORPS OF CADETS FOR THE YEAR
1903-1904.**

Captain Lanning Parsons, Eighth Cavalry, U. S. Army, Commandant.

STAFF.

Adjutant, Cook, LaRue Jean.
Quartermaster, Bloom, J. R.

Sergeant-Major, Wilson, C. P.
Quartermaster Sergeant, Carter, E. L.

COMPANY "A"

Captain, Phillips, C. O.

CADET LIEUTENANTS.

Risser, T. H.	Leverett, E. V.	Pratt, F. H.
First Sergeant, Jackson, B. O.	Quartermaster Sergeant, Webster, Fay.	

SERGEANTS.

Rowe, P. E.	Sengel, Jerome.
Pratt, D. H.	Kitchens, B. M.

CORPORALS.

Dickinson, W. W.	Reagan, Z. L.
Jordan, Jas. K.	Chase, Guy E.

Dalton, Chas. E.

COMPANY "B"

Captain, Mitchell, Brainard, Jr.

CARAT LIEUTENANTS.

Risser, T. L.	Chapple, E. W.
First Sergeant, Knott, V. P.	Quartermaster Sergeant, Ragland, H. L.

SERGEANTS.

Barrett, F. B.	Nordmeyer, C. D.
Foreman, C. D.	Dickinson, H. J.

CORPORALS.

Fry, Jos. E.	Harvey, Ben.
Buford, C. H.	Martin, S. F.

McCloud, W. D.

COMPANY "C"

Captain, Wilson, John R.

CADET LIEUTENANTS.

Stanford, A. F.

Walker, J. W.

Quarles, T. R.

First Sergeant, Croom, C. W.

Quartermaster Sergeant, Beard, A. H.

SERGEANTS.

Gardner, J. W.

Cleveland, G. W.

Cheatham, W. R.

Sadler, D. K.

CORPORALS.

Stanley, T. E.

Wood, J. P.

Slade, C. G.

Taber, H. B.

Mahoney, F. O.

COMPANY "D"

Captain Abercrombie, J. S.

CADET LIEUTENANTS.

Kunz, E. E.

Reves, C. M.

Webb, C. W.

First Sergeant, Schicker, E. B.

Quartermaster Sergeant, Mullins, T. C.

SERGEANTS.

Pope, N. P.

Dunn, R. K.

Grace, George

McKinnon, B. C.

CORPORALS.

Stanley, J. H.

Lowe, Clinton

Andrix, E. R.

Weber, L. W.

Carpenter, Sam.

COMPANY "E"

Captain, Williams, C. X.

CADET LIEUTENANTS.

Messler, R. D.

McGehee, Ben.

Stone, B. J.

First Sergeant, Berry, F. H.

Quartermaster Sergeant, McCrary, E. W.

SERGEANTS.

Byrne, L. R.

Winters, W. L.

Snead, A. L.

Harding, C. T.

CORPORALS.

Black, C. N.

Cabe, R. L.

Cromwell, C. W.

Brunskog, C. W.

Barrett, R.

COMPANY "F"

Captain, Austin, R. E. L.

CADET LIEUTENANTS.

Wood, C. F.

Morrow, D. R.

Carothers, N.

First Sergeant, Mackey, D. E.

Quartermaster Sergeant, James, J. J.

SERGEANTS.

Eason, A. P.

Dickinson, W. E.

Mitchell, J. L.

Smith, E. C.

CORPORALS.

Ford, D. L.

Gregg, A. W.

Boles, A. P.

Garrett, F. A.

Jones, C. W.

BAND.

Chief Musician, Harding, Arthur McC.

Principal Musician, Nelson, Rufus Jerry, Drum-Major, Meyers, Joseph C.

SERGEANTS.

Watkins, G. A.

Mitchell, O. C.

Veazey, N. E.

Plummer, J. R.

CORPORALS.

Feathers, John E., Jr.

Orvell, R. J.

Gorman, H. F. P.

Eason, Tom.

Webster, Wm. V.

Bryant, W. C.

Van Valkenburgh, Wm.

Tyson, Wm. C.

DEGREES.

The following degrees are conferred by the University.
For undergraduate work:

Bachelor of Arts (B. A.).

Bachelor of Science (B. S.).

Bachelor of Civil Engineering (B. C. E.).

Bachelor of Mechanical Engineering (B. M. E.).

Bachelor of Electrical Engineer (B. E. E.).

Bachelor of Mining Engineering (B. Mi. E.).

Bachelor of Chemical Engineering (B. Ch. E.).

Bachelor of Science in Chemistry (B. S. C.).

Bachelor of Scientific Agriculture (B. S. A.).

Bachelor of Music (Mus. Bach.).

For graduate work:

Master of Arts (M. A.).

Master of Science (M. S.).

Mechanical Engineer (M. E.).

Civil Engineer (C. E.).

Electrical Engineer (E. E.).

Chemical Engineer (Ch. E.).

All the courses leading to the different bachelors' degrees are based on four years of collegiate work. The B. A. and B. S. courses are designed to give the student liberal culture; while the engineering courses are technical. The B. A. and B. S. courses are almost entirely elective,

certain safeguards and restrictions being thrown around the student's choice of electives; the technical courses necessarily consist principally of prescribed work.

For the announcements of the several collegiate departments, see pp. 123 to 211.

COURSES OF STUDY LEADING TO THE VARIOUS DEGREES.

B. A. or B. S. Course.

FRESHMAN.

English	*3 Periods.
Mathematics	3 Periods.
A foreign language.....	3 Periods.
Elective	6 Periods.

SOPHOMORE.

English	3 Periods.
The foreign language pursued in Freshman year.....	3 Periods.
Some study pursued in Freshman year.....	3 Periods.
Elective	6 Periods.

JUNIOR.

Elective	15 Periods.
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SENIOR.

Elective	15 Periods.
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Conditions.

1. 60 points are required for graduation.
2. At or before the beginning of the Junior year the student shall elect a major subject, and 24 periods of the 60 required for graduation shall be subject to the approval of the professor in charge of the major subject. Not more than 18 periods may be taken in any subject, and not more than 36 periods in any group.
3. Candidates for the B. A. degree shall choose their major subject from group I., II. or III., and shall offer not fewer than 9 periods from each of these groups. Not more than 9 periods may be offered from group IV. In the foreign language pursued in the Freshman year the equivalent of two years' work must be offered for admission.

*NOTE.—A period means one recitation per week throughout a college year, or the equivalent in laboratory work.

4. Candidates for the B. S. degree shall choose their major subject from group II. or IV. and shall offer not fewer than 18 periods from one or both of these groups.

5. In the B. A. course the elective work of the Freshman and Sophomore years must include at least 3 periods from each of groups II. and III.

6. In addition to the above requirements, military science and tactics will be required of male students, or whenever they are excused, one period per year in other work. One period per year in music, art, elocution, physical culture, or other work, will be required of female students.

Groups.

- I. English, Latin, Greek, French, German, Spanish, Italian.
- II. Mathematics, Astronomy, Chemistry, Physics, Geology, Biology.
- III. History, Philosophy, Political Science, Economics, Sociology, Pedagogy.
- IV. Mechanical, Civil and Electrical Engineering, Horticulture, Agriculture.

Course in Civil Engineering for the Degree of B. C. E.

FRESHMAN YEAR.		Hours per week
Mathematics 1, 2.....		5
Chemistry 1		3
English 1.....		3
C. E. 8, Lettering.....		2
C. E. 1a, Drawing.....		2
SOPHOMORE YEAR.		
Mathematics 4, 5.....		5
C. E. 2, 3, Surveying.....		3
English 2, French, German, or Spanish 1.....		3
Physics 1.....		3
C. E. 1, Descriptive Geometry, first term.....		2
C. E. 4, Highway Construction, second term.....		1
Architectural Drawing, second term.....		1

JUNIOR YEAR.

Hours
per week

Mathematics 6, Calculus.....	3
M. E. 4, Mechanics and Hydraulics.....	4
C. E. 5, Railroad Engineering.....	2
C. E. 6, Field Practice.....	2
C. E. 8a, Technical Drawing.....	2
*Elective	4

SENIOR YEAR.

C. E. 15, Field Practice.....	2
C. E. 14, Engineering Laboratory, first term.....	2
C. E. 11, Sanitary Engineering, first term.....	2
C. E. 12, Technical Drawing.....	2
C. E. 13, Waterworks Engineering, second term.....	3
C. E. 9, Masonry Construction, first term.....	2
C. E. 10, Roofs and Bridges.....	4 and 3
Geology 5, Blowpipe Analysis, second term.....	2
*Elective	3
Thesis	

Course in Mechanical Engineering for the Degree of B. M. E.

FRESHMAN YEAR.

Hours
per week

Mathematics 1 and 2.....	5
English 1.....	3
Physics 1.....	3
Mechanical Drawing, M. E. 2b.....	2
Shop Work.....	3

SOPHOMORE YEAR.

Mathematics 4 and 5.....	5
Chemistry 1.....	3
Mechanical Drawing, M. E. 2a.....	2
Physics 2 or a language.....	3
Shop Work.....	3

*Electives can only be taken on the approval of the professor.

JUNIOR YEAR.

Hours
per week

Mathematics 6.....	3
M. E. 6, Mechanical Laboratory.....	2
M. E. 4, Mechanics.....	4
M. E. 3, and Shop Work.....	5
C. E. 1, first term, E. E. 2, second term.....	2

SENIOR YEAR.

M. E. 5, Steam Machinery.....	3
M. E. 8, Mechanical Laboratory.....	2
M. E. 9, Hydraulic Machinery, first term.....	2
E. E. 12, Electrical Machinery.....	3
E. E. 5, Electrical Laboratory.....	2
Elective	4
Thesis, second term.....	

All elections to be made subject to approval of the professor of mechanical engineering.

Course in Electrical Engineering for the Degree of B. E. E.

FRESHMAN YEAR.

Hours
per week

Mathematics 1, 2 (Solid Geometry, Trigonometry, Algebra)....	5
English 1 (English Composition).....	3
Physics 1 (General Physics).....	3
E. E. 3a (Drawing).....	2
M. E. 1d, b (Shop Work).....	2

SOPHOMORE YEAR.

Mathematics 4, 5 (Determinants, Analytic Geometry, Spherical Trigonometry, and Calculus)	5
Chemistry 1 (General Inorganic Chemistry).....	3
C. E. 1 (Descriptive Geometry; and E. E. 2, Electrical Measure- ments)	2
Physics 2 (Electricity and Magnetism).....	3
M. E. 1c, e (Shop Work).....	2

JUNIOR YEAR.

Hours
per week

Mathematics 6 (Calculus).....	3
French 1, German 1, Spanish 1, or English 2.....	3
E. E. 7 (Dynamo Electric Machinery).....	3
E. E. 5 (Electrical Laboratory).....	2
E. E. 3 (Technical Drawing).....	2
M. E. 4 (Mechanics and Hydraulics).....	4

SENIOR YEAR.

M. E. 5 (Steam Machinery—first term and Chemistry 14. Electro-Chemistry, second term).....	3
E. E. 8 (Alternate Current Theory, and E. E. 9, Polyphase Electric Currents)	3
E. E. 6 (Electrical Laboratory).....	2
E. E. 4 (Technical Drawing).....	2
E. E. 11 (Telegraphy and Telephony).....	2
M. E. 6 (Mechanical Laboratory, first term; and E. E. 10, Electric Railways, second term).....	2
Elective	2
Thesis	

Course in Mining Engineering for the Degree of B. Mi. E.

FRESHMAN.

Hours
per week

Mathematics (Mathematics 1),* Professor Droke.....	3
a. Solid Geometry, first term.	
b. Plane Trigonometry, second term.	
Chemistry (Chemistry 2), Professor Muckenfuss.....	3
Mechanical Drawing (Mechanical Engineering 2), Professor Wilson	2
Descriptive Geometry (Civil Engineering 1) Professor Knoch..	
Drawing (Civil Engineering 1a), Professor Knoch.....	2
Physics (Physics 1), Professor Rose.....	3
English (English 1), Professors Shannon and Davies.....	3

*The parentheses refer to course numbers in the catalogue. The figures to the right indicate the number of hours per week that the course is given.

SOPHOMORE.

Hours
per week

General Geology (Geology 2) Professor Purdue.....	3
Crystallography and Mineralogy (Geology 5) Professor Purdue.	2
a. Crystallography, first term.	
b. Determinative Mineralogy, second term.	
Algebra (Mathematics 2), Professor Droke.....	3
Analytical Geometry (Mathematics 4), Professor Droke.....	3
Analytical Chemistry (Chemistry 3), Professor Muckenfuss....	3
a. Chemistry 3, first term.	
b. Chemistry 5, second term.	
Surveying (Civil Engineering 2), Professor Knoch.....	3

JUNIOR.

Field Geology (Geology 6), Professor Purdue.....	3
Mining, Professor (to be appointed).....	6
a. Excavation, tunneling and shafting; 3 hrs., first term.	
b. Exploration and development of mining property; 3hrs., first term.	
c. Ore dressing and milling; 3 hrs., second term.	
d. General Mining Engineering; 3 hrs., second term.	
Metallurgy and Assaying, Professor Rose.....	3
a. Assaying, (Chemistry 9) first term.	
b. Metallurgy, (Chemistry 12) second term.	
Electrical Machinery (Electrical Engineering 12), Mr. Treadway.	3
Drawing (Civil Engineering 8), Professor Knoch.....	8

SENIOR.

Economic Geology (Geology 7), Professor Purdue.....	3
Mining, Professor (to be appointed).....	4
a. The Mine Plant, 3 hrs., for the year.	
b. Mine Surveying, 1 hr., for the first term.	
c. Mining Law, 1 hr., for the second term.	
d. Mine Administration, 1 hr., for the second term.	
Mechanics and Hydraulics (Mechanical Engineering 4), Professor Wilson . . .	4
Thermodynamics (Mechanical Engineering 5), Professor Wilson.	3
Metallurgy, Professor Rose.....	2

Course in Chemical Engineering for the Degree of B. Ch. E.

FRESHMAN YEAR.		Hours per week
Mathematics 1, 2 (Solid Geometry, Trigonometry, Algebra)....	5	
Chemistry 1, (General Chemistry).....	3	
M. E. 1, b, d, (Shop Work).....	2	
M. E. 2 (Drawing)....	2	
German (Elementary Course).....	3	

SOPHOMORE YEAR.		
Mathematics 4, 5 (Analytical Geometry).....	5	
Chemistry 3 (Qualitative Analysis).....	4	
Geology 5b (Blowpipe Analysis).....	2	
Physics 1 (Elementary Physics).....	3	
M. E. 3 (Elementary Machine Design).....	3	
M. E. 1, c, e (Shop Work).....	2	

JUNIOR YEAR.		
Chemistry 5 (Quantitative Analysis) first term.....	5	
Chemistry 5 (Quantitative Analysis) second term.....	3	
Mathematics 6 (Calculus).....	3	
M. E. 4 (Theoretical Mechanics, Mechanics of Materials).....	4	
Chemistry 12 (Metallurgy) first term.....	3	
Chemistry 9 (Assaying) second term.....	3	
E. E. 2 (Electrical Measurements) second term.....	2	

SENIOR YEAR.		
Chemistry 8 (Theoretical Chemistry) first term.....	3	
Chemistry 14 (Electro-Chemistry) second term.....	3	
Chemistry 11 (Gas Analysis) first term.....	2	
Chemistry 13 (Water Analysis) first term.....	2	
C. E. 11 (Sanitary Engineering) first term.....	2	
C. E. 13 (Waterworks Engineering) second term.....	3	
M. E. 5 (Steam Machinery, Engines, Boilers).....	3	
Elective . . .	3	
Thesis, second term.....	3	

Special Chemical Course for the Degree of B. S. C.

FRESHMAN YEAR.		Hours per week
Mathematics 1 (Solid Geometry, Trigonometry).....	3	3
Chemistry 1 (General Chemistry).....	3	3
English 1 (English Composition).....	3	3
German 1 (Elementary Course).....	3	3
French 1 (Elementary Course).....	3	3

SOPHOMORE YEAR.		
Chemistry 2b (Inorganic Chemistry).....	2	2
Chemistry 3 (Qualitative Analysis) first term.....	4	4
Geology 5b (Blowpipe Analysis) second term.....	2	2
Chemistry 12 (Metallurgy) first term.....	3	3
Chemistry 9 (Assaying) second term.....	3	3
Physics 1 (Elementary Physics).....	3	3
Agriculture 1 (Soils and Farm Crops).....	3	3
M. E. 1 b, d (Founding and Pattern Making).....	2	2

JUNIOR CLASS.		
Chemistry 4a (Organic Chemistry).....	4	4
Chemistry 5 (Quantitative Analysis) first term.....	5	5
Chemistry 5 (Quantitative Analysis) second term.....	6	6
E. E. 2 (Electrical Measurements) second term.....	2	2
Chemistry 8 (Theoretical Chemistry) first term.....	3	3
Chemistry 7 (Industrial Chemistry).....	3	3

SENIOR CLASS.		
Chemistry 6 (Agricultural Analysis) first term.....	3	3
Chemistry 14 (Electro-Chemistry) second term.....	3	3
Chemistry 11 (Gas Analysis) first term.....	2	2
Chemistry 13 (Water Analysis) first term.....	2	2
Biology 8 (Physiology) second term.....	4	4
M. E. 6 (Laboratory Work).....	2	2
Thesis, second term.....	3	3
Elective, first term.....	6	6
Elective, second term.....	3	3

NOTE.—For the course leading to the degree of Mus. Bach., see the announcement of the Conservatory of Music and Arts.

REQUIREMENTS FOR THE MASTER'S DEGREE.

1. A bachelor's degree from this University or another institution in which the course of study pursued is recognized as fully equivalent.

2. That not less than one year intervene between the conferring of the bachelor's and master's degrees.

3. That a course of study in one major and two minor subjects aggregating, with a thesis, sixteen hours per week be pursued in residence at the University for not less than one year. But graduates of this University may do half their work in absence under the direction of the professors in charge of the subjects chosen, provided that residence at the University during the term preceding final examination for the degree is required.

4. That the major subject covering six hours shall be strictly graduate work, and selected in a department in which all undergraduate work has been previously completed.

5. That the two minor studies aggregating eight hours per week shall be chosen from departments in each of which the candidate has already two years credit, provided that no work credited to the bachelor's degree shall be counted toward the master's degree.

6. A satisfactory thesis in the major subject, the theme of which shall be approved by the head of the department six months before the final examination. For the thesis a credit of two hours shall be given.

7. That the candidate shall hand to the professor in charge of the major subject the thesis on or before the 15th of May. Previous to his final examination the candidate

shall be questioned on his thesis by a committee composed of the professors in charge of the major and minor subjects and a professor of another department to be designated by the faculty.

REQUIREMENTS FOR DEGREES OF C. E., M. E., E. E., OR CH. E.

These courses of study are intended to give additional preparation for those students who have finished an undergraduate course in engineering, for some special line of work to which their previous study has led. The student will have all reasonable liberty in selecting such specialties and will be limited only by certain general requirements. He will be required at the beginning of the year to make up the course which he proposes to follow and to present it to the faculty, approved by the instructors concerned. If accepted, it will be subject to change only by the faculty. In general, it is expected that these courses shall comprise one principal subject based on the course already pursued, and two secondary subjects, one or both of which should be closely related to the principal. The graduate course should amount to not less than fifteen recitation hours per week as counted in undergraduate work.

The subject of a thesis for any of the above degrees must be submitted to the faculty for approval before the middle of the second term.

These degrees will also be given to graduates in civil, mechanical, electrical and chemical engineering who have been in successful practice of their profession for three years, and who have submitted a satisfactory thesis on a subject approved by the faculty.

Charges. Graduate students pay \$10 for matriculation and registration, \$10 tuition (non-residents, \$5) at the beginning of each session, and \$10 in advance for the final examination. Students who fail to comply with any of these requirements, or who do not each year complete the equivalent of two terms' work in one subject, will be dropped from the rolls. Should such students desire to resume their studies, they must pay for matriculation and registration, as if beginning for the first time. The diploma fee is \$5 in advance in each case.

Graduates attending only undergraduate classes pay the same fee as undergraduates.

Non-resident students have such assistance and instruction in their studies as can be conveniently given by correspondence.

COURSES OF STUDY LEADING TO CERTIFICATES.

In pedagogy and mechanical and electrical engineering there are the following courses of study, the completion of which entitles the student to a certificate:

Normal Course.

The certificate of Licentiate of Instruction (L. I.) has been established by the board of trustees as a stamp of one's knowledge of educational principles and proficiency in the art of teaching.

Requirements for the L. I. Certificate.

There are three conditions upon which the certificate of Licentiate of Instruction is granted:

First. To those who receive eight hours' credit in the department of philosophy and pedagogy, subject to the

approval of the professor in charge of that department, and who have as many as thirty hours' credit leading to the B. A. or B. S. degree.

Second. To those who complete the prescribed course for the state certificate. See page 119.

Third. To those candidates for the B. A. and B. S. degrees who elect their major in the department of philosophy and pedagogy.

Requirements for the State License.

*Section 6974 of the Revised Statutes of the State is as follows: "The state superintendent of public instruction shall have power to grant state certificates, which shall be valid for life, unless revoked, to any person in the state who shall pass a thorough examination in all those branches required for granting county certificates, and also in algebra and geometry, physics, rhetoric, mental philosophy, history, Latin, the Constitution of the United States, and of the state of Arkansas, natural history and the theory and art of teaching."

*The S perintendent of Public Instruction puts the following construction on this section.

"State licenses are not granted to inexperienced teachers. Applicants for the same must present satisfactory evidence of having taught successfully at least twenty months.

"State licenses are granted, under the law, *only* on approved examinations conducted by the State Superintendent.

"While the law is silent as to the scope of the examination, naming the subjects only, the following outline will give an idea as to the requirements under the present administration: In algebra, natural history (botany, geology, zoology), physics, an general history, the examination will be on such matter as is comprehended in the average high school text-books on these subjects.

"*Latin*—Grammar and composition: first four books of Caesar; first two books of Virgil; first two orations of Cicero against Catiline, and his essay De Senectute—or equivalent readings.

"*Geometry*—Plane geometry, and first two books of solid geometry, including exercises.

"*Rhetoric*—With special reference to the essentials of English composition.

"*Constitution of United States and of Arkansas*—Embracing a study of the origin, subject-matter, and civic relations under the same.

"*Theory and Art of Teaching, Mental Philosophy*—As discussed in works on these subjects.

"Holders of first-grade certificates may not be examined in the common school branches. An average of 80 per cent will be required on all subjects. Below 70 per cent on any subject will be considered a failure thereon."

To meet the provisions of this law, a four years' course has been provided, which includes all the branches on which one is examined for the state certificate, which also leads to the certificate of L. I. (Licentiate of Instruction). As given in the scheme of studies below, the first two years may be done in the high schools or in the preparatory department of the university. The completion of the first two years also entitles one to admission to the Freshman class in the B. A. and B. S. courses.

The hours completed during the third and fourth years are credited on the courses leading to the degrees of B. A. and B. S.

Course Required for the State Certificate.

	Hours per week
FIRST YEAR.	
Arithmetic	2
Algebra	3
English	4
History of United States	3
Latin	4
SECOND YEAR.	
Algebra	2
Plane Geometry	4
English	4
General History	3
Latin	4
THIRD YEAR.	
English, course 1	3
Latin, course 1	3
Mathematics, course 1 (Solid Geometry)	3
Biology, course 1	3
Pedagogy, courses 1, 3, 4	3
FOURTH YEAR.	
English, course 2	3
History (elective)	2
Physics, course 1	3
Pedagogy, courses 5, 6, 7, 8	5
Singing and Drawing	2

Mechanic Arts Course.

This course of two or three years, according to the preparation of the student, is designed to meet the wants of two classes of young men:

First. Those who are not able to spend the time required for the completion of the four years' course.

Second. Those who lack the necessary preparation for admission to the collegiate classes, and do not wish to become candidates for a degree.

Special attention is given to instruction in shop work and drawing, sufficient time being given to the former to enable a student to become familiar with all its branches, and acquire proficiency in some chosen one. The time spent in the drawing room will enable the student to make and understand the machine drawing.

In the last year the technical instruction is designed to give such an elementary knowledge of mechanics, machine design, and steam machinery, as will enable the student to use and care for machinery intelligently. No diploma is awarded, but a certificate of proficiency will be given on the completion of the course.

Course Required for Certificate.

FIRST YEAR.		Hours per week
Mathematics, second year preparatory.....		6
English, first or second year preparatory.....		4
Drawing, M. E. 2.....		3
Shop Work		3
SECOND YEAR.		
M. E. 4a, Mechanics and Hydraulics.....		3
Physics 1		3
M. E. 2, Mechanical Drawing.....		4
Shop Work		6

THIRD YEAR.

Hours
per week

M. E. 3 and 5, Machine Design and Steam Machinery.....	5
M. E. 6, Mechanical Laboratory.....	2
E. E. 12, Electrical Machinery.....	3
E. E. 5, Electrical Laboratory.....	2
Shop Work	3

***Short Course in Electrical Engineering.**

This two years' course is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary, than in the long course, embracing only the necessary mathematics, which, with electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice in the shortest possible time.

This course prepares students for practical work, such as constructing, operating, superintending or managing lighting, power or manufacturing plants. It does not lead to a degree, but a suitable certificate will be given on completion of the work.

FIRST YEAR.

E. E. 1 (Electrical Engineering).....	5
E. E. 3a (Drawing).....	2
M. E. 1d, b (Shop Work).....	3
Mathematics (First Preparatory Algebra).....	3
Elective	3

SECOND YEAR.

E. E. 12 (Electrical Machinery).....	3
E. E. 3 (Technical Drawing).....	2
E. E. 5 (Electrical Laboratory).....	2
M. E. 5a (Steam Engines and Boilers).....	3
M. E. 1c, e (Shop Work).....	3
Elective	3

*Candidates for this course should be at least 16 years old and have a fair knowledge of the common school branches, especially arithmetic.

Teachers' Nonresident Courses.

The University offers special opportunities to all teachers in Arkansas. It will admit them to its regular examinations for admission to the Freshman class, or will send the examination questions to county examiners, who will submit them to teachers under the usual rules, and return answers to the University. Teachers who pass the required entrance examinations may then matriculate and enter upon non-resident courses of study under the direction of the University professors; and, upon completion of one term's work in any branch, they will be examined upon said work and credited with it, if it comes up to the University standard.

After finishing three-fourths of the course for a bachelor's degree, such teacher-students may graduate by completing the course as regular resident students.

Non-resident study is pursued under disadvantages, and none but energetic and methodical persons, who are willing to practice much self-denial, can succeed in such work. Such courses of study are in many respects less thorough than study under regular instruction at the University. Yet thousands of persons who cannot attend college regularly are thus educating themselves; and the self-reliant habits of study and investigation acquired by successful work of this kind are of untold value.

Teachers accepting this offer must obtain not less than two credits (two subjects passed for one term, or one subject for two terms), each year; else their names will be dropped from the rolls. Teachers whose vacation occurs during the session of the University may supplement their non-resident study by attending the regular classes.

*DESCRIPTION OF COLLEGIATE COURSES.

ANCIENT LANGUAGES.

J. C. FUTRALL, Professor.

Latin.

1. CICERO'S ORATIONS AND VIRGIL (3)—An accurate knowledge of the Latin forms is insisted upon; Bennett's Latin Prose Composition throughout the year. *For Freshmen*. M. W. F. 1; M. W. F. 2.

2. CICERO AND LIVY (3)—Cicero's *de Amicitia et de Senectute*; Livy, Book II. or III. Systematic study of the grammar; exercises in prose composition, based chiefly upon the authors read in class; sight reading; Roman literature. *For Sophomores*. M. W. F. 3.

3a. PROSE COMPOSITION (1)—The translation of connected passages of idiomatic English into idiomatic Latin. *Prerequisite: Course 2*. W. 4.

4. HORACE AND TACITUS (2)—Horace, Odes and Epodes; Tacitus, *Annals*; parallel and sight reading; the metres of Horace. *Prerequisite: Course 2*. T. 3; F. 4.

5. ROMAN POETS (3)—Readings will be taken from Plautus, Terence, Catullus, Horace, Juvenal, and others, and the attention of the student will be directed rather to the literary side of the authors read than to grammatical and syntactical peculiarities. The metres of Plautus and Terence will be carefully studied. Course 5 may be taken twice and counted towards a degree, as the readings will be changed in successive years. *Prerequisite: Courses 3a and 4*.

Text-books. Bennett's and Gildersleeve's Grammars; Wilkins' *Primer of Roman Literature*; Cruttwell's *Roman Literature*. Any approved edition of the Latin authors may be used, except when certain editions are prescribed. Lexicons: Harper, Lewis, White.

*The number to the left of the description of a course is the number of the course; the number to the right is the number of hours per week that the course is given. In general two hours of laboratory work are considered as the equivalent of one hour of recitation. Thus a course that has two hours per week of recitation work and two hours of laboratory work is a three hour course. Unless the contrary is stated in the description of a course, all courses run throughout the year.

Greek.

1. ELEMENTARY COURSE (3)—White's Beginner's Greek Book, with selections for reading. A thorough mastery of the forms and constructions given in this book is required. *For Freshmen*. M. T. Th. 4.

2. XENOPHON AND LYSIAS (4)—This course is intended to familiarize the student with all the ordinary Attic forms and constructions; frequent exercises in oral and written translation of English into Greek, based upon the text read, are given, and some practice in sight reading; Goodwin's Grammar. *For Sophomores*. M. W. Th. F. 1.

3. HOMER AND PLATO (3)—Systematic study of the grammar; prose composition; Greek literature; sight reading. *Prerequisite: Course 2*. T. Th. 1; M. 4.

4. THUCYDIDES AND THE DRAMA (3)—This course will be conducted on the same plan as Latin 5. *Prerequisite: Course 3*.

Text-books: Goodwin's Revised Greek Grammar; Goodwin's Greek Modes and Tenses; Pearson's Prose Composition; Higley's Exercises in Greek Composition. Any approved edition of the Greek authors may be used, except when certain editions are prescribed. Liddell and Scott's Lexicons are recommended.

ENGLISH AND MODERN LANGUAGES.

J. W. CARR, Professor.

E. F. SHANNON, Associate Professor.

MISS H. B. DAVIES, Adjunct Professor.

English.

1. ELEMENTARY COMPOSITION (3)—A. S. Hill's Principles of Rhetoric (revised and enlarged edition), Matthews's Introduction to American Literature, Halleck's History of English Literature. Recitations, weekly impromptu themes, based upon the assigned reading, and other written exercises, memorizing of Gray's Elegy, Goldsmith's Deserted Village, Dryden's Alexander's Feast and Song for St. Cecilia's Day; and assigned reading as follows:

American Literature. First Term.

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publishers' Price, Postpaid.
Sept. 27.....	Franklin.....	Autobiography.....	Cassell & Co.....	.10
Oct. 4.....	Irving.....	Knickerbocker's History of New York, Vol. I.....	Cassell & Co.....	.10
Oct. 11.....	Irving.....	Knickerbocker's History of New York, Vol. II.....	Cassell & Co.....	.10
Oct. 18.....	Cooper.....	The Spy.....	Baker & Taylor Co, N. Y.....	.18
Oct. 25.....	Bryant.....	Thanatopsis, etc.....	Riverside, 54.....	.15
Nov. 1.....	Emerson.....	The Fortune of the Republic, and other American Addresses.....	Riverside, 42.....	.15
Nov. 8.....	Thoreau.....	The Succession of Forest Trees, etc.....	Riverside, 27.....	.15
Nov. 15.....	Hawthorne.....	Tales of the White Hills, etc.....	Riverside, 40.....	.15
Nov. 22.....	Webster.....	The First Burker Hill Oration: and Adams and Jefferson.....	Riverside, 56.....	.15
Nov. 29.....	Whittier.....	Snow Bound, Among the Hills, Songs of Labor, etc.....	Riverside, 4.....	.15
Dec. 6.....	Longfellow.....	Hiawatha, Part I.....	Riverside, 13.....	.15
Dec. 13.....	Longfellow.....	Hiawatha, Part II.....	Riverside, 14.....	.15
Dec. 20.....	Lowell.....	Democracy, etc.....	Riverside, 123.....	.15
Jan. 3.....	Holmes.....	Grandmother's Story of Bunker Hill Battle, etc.....	Riverside, 6.....	.15
Jan. 10.....	Poe.....	The Raven, The Fall of the House of Usher, etc.....	Riverside, 119.....	.15
Jan. 17.....	Taylor.....	Lars, and other Poems.....	Riverside, 16.....	.15

Modern English Literature. Second Term.

Jan. 31.....	Shakspeare.....	Romeo and Juliet, Acts I and II.....	Cassell & Co.....	.10
Feb. 7.....	Shakspeare.....	Romeo and Juliet Acts III, IV, and V.....	Cassell & Co.....	.10
Feb. 14.....	Bacon.....	Essays, Civil and Moral.....	Cassell & Co.....	.10
Feb. 21.....	Milton.....	Paradise Lost, Books I, II, and III.....	Riverside, 94.....	.15
Feb. 28.....	Bunyan.....	Pilgrim's Progress.....	Riverside, 109.....	.15
Mar. 7.....	Dryden.....	Palamon and Arcite.....	Riverside, 125.....	.15
Mar. 14.....	Addison.....	Essays and Tales.....	Cassell & Co.....	.10
Mar. 21.....	Pope.....	Rape of the Lock.....	Riverside, 147.....	.15
Mar. 28.....	Swift.....	Gulliver's Travels.....	Riverside, 89.....	.15
Apr. 4.....	Goldsmith.....	The Deserted Village and The Traveller.....	Ainsworth, 91.....	.10
Apr. 11.....	Johnson.....	Lives of Addison and Swift.....	Cassell & Co.....	.10
Apr. 18.....	Burns.....	Cotter's Saturday Night, etc.....	Riverside, 77.....	.15
Apr. 25.....	Scott.....	The Lady of the Lake.....	Cassell & Co.....	.10
May 2.....	Macaulay.....	Essays on Goldsmith and Johnson.....	Riverside, 102.....	.15
May 9.....	Carlyle.....	Heroes and Hero Worship.....	Cassell & Co.....	.10
May 16.....	Dickens.....	Christmas Carol.....	Ainsworth, 90.....	.10
May 23.....	Browning.....	The Pied Piper of Hamelin and other Poems.....	Riverside, 115.....	.15
May 30.....	Tennyson.....	Enoch Arden, etc.....	Ainsworth, 92.....	.10

Publishers' Addresses:—(Maynard) Maynard, Merrill & Co., (Riverside) Houghton, Mifflin & Co., Ainsworth & Co : all with branches in Chicago, Ill. Cassell & Co. New York City.

The whole class will meet Adjunct Professor Davies in the University chapel every Tuesday at the second period (9:25-10:20 a. m.), for instruction in the history of American and modern English literature. For writing and rewriting themes and for recitations in rhetoric and poetry, the class is divided into five sections, meeting each twice a week as follows:

Section.	Period.	Professor.	Room.
I.....	Th. F. 3.....	Assoc. Prof. Shannon.....	U. H. 16
II.....	Th. F. 2.....	Assoc. Prof. Shannon.....	U. H. 16
III.....	Th. F. 1.....	Adjunct Prof. Davies.....	U. H. 16
IV.....	W. M. 1.....	Adjunct Prof. Davies.....	U. H. 19
V.....	W. F. 6.....	Adjunct Prof. Davies.....	U. H. 19

2. ADVANCED COMPOSITION (3)—Barrett Wendell's English Composition and Moody and Lovett's History of English Literature. Recitations, lectures, informal 'discussions, weekly impromptu themes, based upon the assigned reading, long themes (two narrative, two descriptive, two expository, and two argumentative), due one on the third Tuesday of each month from October to May, inclusive, memorizing of Milton's Lycidas, Goldsmith's Traveller, and Burns' Cotter's Saturday Night, and assigned reading, as follows:

English Literature to the XVIII. Century. First Term.

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publishers' Price, Postpaid.
Sept. 27.....		Beowulf.....	D. C. Heath & Co.....	.30
Oct. 4.....		Beowulf.....		
Oct. 11.....	Mandeville.....	Voyages and Travels.....	Cassell & Co.....	.10
Oct. 18.....	Chaucer.....	The Prologue to the Canterbury Tales.....	Riverside, 135.....	.15
		(to line 411)		
Oct. 25.....	Chaucer.....	The Prologue to the Canterbury Tales.....		
		(finished)		
Nov. 1.....	More.....	Utopia.....	Cassell & Co.....	.10
Nov. 8.....	Ascham.....	The Schoolmaster.....	Cassell & Co.....	.10
Nov. 15.....	Sidney.....	A Defense of Poesie.....	Cassell & Co.....	.10
Nov. 22.....	Marlowe.....	The Jew of Malta.....	Maynard, 101.....	.12
Nov. 29.....	Spenser.....	The Shepherd's Calendar.....	Cassell & Co.....	.10
Dec. 6.....	Shakspere.....	Hamlet, Acts I and II.....	Cassell & Co.....	.10
Dec. 13.....	Shakspere.....	Hamlet, Acts III, IV and V.....	Cassell & Co.....	
Dec. 20.....	Raleigh.....	Discovery of Guiana.....	Cassell & Co.....	.10
Jan. 3.....	Bacon.....	Advancement of Learning.....	Cassell & Co.....	.10
Jan. 10.....	Milton.....	Paradise Regained and Samson Agonistes.....	Cassell & Co.....	.10
Jan. 17.....	Dryden.....	Discourse on Satire and Epic Poetry.....	Cassell & Co.....	.10

English Literature of the XVIII. and XIX. Centuries. Second Term.

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publishers' Price, Postpaid.
Jan. 31.....	Addison and Steele	Isaac Bickerstaff	Cassell & Co.	.10
Feb. 7.....	Pope	Essay on Man	Cassell & Co.	.10
Feb. 14.....	Swift	The Battle of the Books	Cassell & Co.	.10
Feb. 21.....	Goldsmith	Plays	Cassell & Co.	.10
Feb. 28.....	Johnson	A Journey to the Hebrides	Cassell & Co.	.10
Mar. 7.....	Burke	Essay on the Sublime and Beautiful	Cassell & Co.	.10
Mar. 14.....	Cowper	Table Talk and other Poems	Cassell & Co.	.10
Mar. 21.....	Sheridan	The Rivals, and the School for Scandal	Cassell & Co.	.10
Mar. 28.....	Shelley	Prometheus Unbound	Cassell & Co.	.10
Apr. 4.....	Byron	Childe Harold	Cassell & Co.	.10
Apr. 11.....	Scott	Marmion	Cassell & Co.	.10
Apr. 18.....	Lamb	Old China and other Essays on Elia	Riverside, 79	.15
Apr. 25.....	Southey	Life of Nelson	Cassell & Co.	.10
May 2.....	Wadsworth	On the Intimations of Immortality, etc	Riverside, 76	.10
May 9.....	De Quincey	Flight of a Tartar Tribe	Maynard, 169	.12
May 16.....	Macaulay	Essay on Boswell's Life of Johnson	Maynard, 106	.12
May 23.....	Carlyle	Essays on Goethe	Cassell & Co.	.10
May 31.....	Tennyson	Idylls of the King	Riverside, 99	.15

Publishers' Addresses:—D. C. Heath & Co.: (Riverside) Houghton, Mifflin & Co.; (Maynard) Maynard, Merrill & Co.: all with branches in Chicago, Ill. Cassell & Co., New York City.

The whole class will meet Associate Professor Shannon in University Hall, No. 16, every Tuesday at the third period (10:20-11:15 a. m.) for formal lectures on the history of English literature. For writing and rewriting themes and for recitations and informal discussions, the class is divided into three sections, each meeting twice a week, as follows:

Section.	Time.	Professor.	Room.
I.....	W. F. 1	Assoc. Prof. Shannon	U. H. 16
II.....	Th. M. 4	Assoc. Prof. Shannon	U. H. 16
III.....	Th. F. 3	Adjunct Prof. Davies	U. H. 19

Required of all Sophomores in the B. A. and B. S. courses.
Elective for all others who have completed English 1.

6a. ENGLISH LITERATURE OF THE SIXTEENTH CENTURY (2)—
 Special attention will be paid to the period beginning with Tottel's Miscellany, and ending with the death of Spenser (1557-1599).
Prerequisite: English 2. Omitted in 1904-1905. M. F. 6.

ASSOCIATE PROFESSOR SHANNON.

7a. ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (2)—
 English literature from the death of Spenser to the death of Dryden.

(1599-1700). The introductory work will deal largely with Shakespeare. *Prerequisite: English 2. T. W. 5.*

ADJUNCT PROFESSOR DAVIES.

8. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY (2)—English literature from the death of Dryden to the publication of the Lyrical Ballads (1700-1798). *Prerequisite: English 2. M. F. 6. Omitted in 1904-1905.*

ASSOCIATE PROFESSOR SHANNON.

9. ENGLISH LITERATURE OF THE NINETEENTH CENTURY (2)—English literature from the publication of the Lyrical Ballads to the death of Queen Victoria (1798-1901). *Prerequisite: English 2.*

ADJUNCT PROFESSOR DAVIES.

10. OLD AND MIDDLE ENGLISH (1)—A course in the language and literature of the Anglo-Saxon and Middle English periods. Text-books: Smith's Old English Primer, MacLean's Old and Middle English Reader, and Brooke's Early English Literature. *Prerequisite: English 2. Required of Juniors and Seniors whose major is English or English and Modern Languages. Offered in 1904-1905. Th. 4.*

PROFESSOR CARR.

11. CHAUCER (1)—The more important poems of Chaucer will be read. The assigned reading will deal with the history of the English language. *Prerequisite: English 2. Required of Juniors and Seniors whose major is English or English and Modern Languages. Omitted in 1904-1905. Th. 4.*

PROFESSOR CARR.

German.

1. ELEMENTARY COURSE (3)—Lange's German Method (in Section I.), Thomas's Grammar (in Sections II. and III.), Wesselhoeft's German Composition; translation of 200 pages of easy German; sight reading; oral exercises.

Section.	Period.	Professor.	Room.
I.....	M. T. F. 1.....	Prof. Carr.....	U. H. 15
II.....	T. W. F. 4.....	Assoc. Prof. Shannon.....	U. H. 16
III.....	T. W. Th. 7.....	Assoc. Prof. Shannon.....	U. H. 16

2. GERMAN PROSE AND POETRY (3)—Selections from the works of modern writers; Wenckebach's German Composition; translation from German into English and from English into German; sight reading; oral exercises. *Prerequisite: German 1. T. W. Th. 6.*

PROFESSOR CARR.

2a. SELECTED WORKS OF LESSING, GOETHE, AND SCHILLER (2)—

This course is intended especially to supplement German 2, which is recommended to students who elect only one course in second year German. It is possible, however, to take German 2a and one hour of German 2, the composition work, which is given Tuesday at the sixth period. *Prerequisite: German 1. W. Th. 1.*

PROFESSOR CARR.

3a. HISTORY OF GERMAN LITERATURE TO THE XIX. CENTURY (3)

—*Prerequisite: German 2, or its equivalent. M. W. F. 3.*

PROFESSOR CARR.

3b. MIDDLE HIGH GERMAN AND OLD HIGH GERMAN (2)—Paul's

Mittelhochdeutsche Grammatik and the Nibelungenlied the first term; Braune's Althochdeutsche Grammatik and Lesebuch the second term. This course is intended to supplement German 3a. T. Th. 3.

PROFESSOR CARR.

4a. GERMAN LITERATURE OF THE CLASSIC PERIOD (3)—Careful

study of selected works of Lessing, Goethe, and Schiller, and of their lives and epoch. *Prerequisite: German 2, or its equivalent. Omitted in 1904-1905.*

PROFESSOR CARR.

4b. GOTHIC AND OLD SAXON (2)—Ulfilas the first term and the

Heliand the second term. *Prerequisite: German 2, or its equivalent. German 4b will alternate with German 3b. Omitted in 1904-1905.*

PROFESSOR CARR.

French.

1. ELEMENTARY COURSE (3)—Fraser & Squair's Grammar

(abridged edition); Kuhns's French Reading for Beginners; Halevy's L'Abbe Constantin; Grandgent's Materials for French Composition; sight reading. M. W. F. 2.

ADJUNCT PROFESSOR DAVIES.

2. FRENCH PROSE AND POETRY (3)—Selected works of Malot,

Erckmann-Chatrian, Feuillet, Sandeau, Sand, and Daudet; French Daily Life; Bowen's French Lyrics; Cameron's French Composition; reading at sight; assigned reading. *Prerequisite: French 1. M. W. 3; F. 4.*

ADJUNCT PROFESSOR DAVIES.

4. HISTORY OF FRENCH LITERATURE (3)—Lectures; recitations;

reading of works representative of different epochs, especially of the seventeenth century; written reports. This course will not be given for fewer than three students. *Prerequisite: French 2.*

PROFESSOR CARR.

5a. EIGHTEENTH CENTURY LITERATURE (3) — *Prerequisite: French 2. Omitted in 1904-1905.* PROFESSOR CARR.

6. OLD FRENCH (2)—This course is open only to advanced students of French. PROFESSOR CARR.

Spanish.

1. ELEMENTARY COURSE (3)—Loiseaux's Grammar; Padre Isla's Gil Blas; Loiseaux's Composition; reading at sight. *Omitted in 1904-1905; offered in 1905-1906.* PROFESSOR CARR.

Italian.

1. ELEMENTARY COURSE (3)—Sauer's Grammar; Bowen's Reader; De Amicis's Cuore; Snell's Primer of Italian Literature. *Offered in 1904-1905.* This course will alternate with Spanish 1. Tu. W. F. 4. PROFESSOR CARR.

English and Modern Language Groups.

Candidates for the degree of B. A. who select their major subject in the department of English and Modern Languages may choose any one of the five groups of studies mentioned below.

GROUP I. (ENGLISH)—English 1 and German 1 in the Freshman year. English 2 and German 2 and 2a in the Sophomore year. English 5a (or 6), 7a (or 9), and 8 (or 6a), and French 1 in the Junior year. English 6 (or 5a), 9 (or 7a), and 6a (or 8); and French 2 in the Senior year.

GROUP II. (ENGLISH AND MODERN LANGUAGES)—English 1 and German 1 in the Freshman year. English 2, German 2, and French 1 in the Sophomore year. English 5a (or 6), and 7a (or 9), or 8 (or 6a); German 3a (or 4a); and French 2 in the Junior year. English 6 (or 5a), and 9 (or 7a), or 6a (or 8), and French 4a (or 5a), in the Senior year.

GROUP III. (MODERN LANGUAGES)—German 1 and English 1 in the Freshman year. German 2, French 1, and English 2 in the Sophomore year. German 3a (or 4a), French 2, and Spanish 1 (or Italian 1) in the Junior year. French 4 (or 5a) and Italian 1 (or Spanish 1) in the Senior year.

GROUP IV. (GERMAN)—German 1 and English 1 in the Freshman year. German 2 and 2a and English 2 in the Sophomore year. German 3a (or 4a) and 6a (or 7a), and French 1 in the Junior year. German 4a (or 7a) and 7a (or 6a), and French 2 in the Senior year.

GROUP V. (ROMANCE LANGUAGES)—French 1 and English 1 in the Freshman year. French 2, English 2, and German 1 in the Sophomore year. French 4 or 5a, German 2, and Italian 1 (or Spanish 1) in the Junior year. French 5a or 4, and Spanish 1 (or Italian 1) in the Senior year.

MATHEMATICS AND ASTRONOMY.

GEO. W. DROKE, Professor.

B. J. DUNN, Associate Professor.

Mathematics.

1. (a) SOLID GEOMETRY (*first term*) (3)—Beman and Smith's New Plane and Solid Geometry. 2, 3, 4, and 5 periods. M. W. F.

(b) PLANE TRIGONOMETRY (*second term*) (3)—Lyman and Goddard's Trigonometry. *Required of all Freshmen.* 2, 3, 4 and 5 periods. M. W. F.

2. ALGEBRA (2)—Fisher and Schwatt's Higher Algebra. *Required of all Freshmen engineers, elective in other courses.* 3d period Tu., Th. and 5th period M. and Th.

3. ALGEBRA, CONIC SECTIONS (3)—*Sophomore elective in the B. S. and B. A. Courses.* 7th period Tu. W. F.

4. DETERMINANTS, ANALYTIC GEOMETRY (3)—Tanner and Allen's Analytic Geometry. *Required of Sophomore engineers, elective in other courses.* 2d period M. W. F.

5. ALGEBRA (*continuation of Course 2*) SPHERICAL TRIGONOMETRY, CALCULUS (2)—*Required of Sophomore engineers, elective in other courses.* 2d period Tu. Th.

5a. ANALYTIC GEOMETRY (*continuation of Course 3*) (2)—*Junior elective in the B. S. and B. A. Courses.* 3d period Tu. and Th.

6. DIFFERENTIAL AND INTEGRAL CALCULUS (3)—Osborne's Calculus. *Required of Junior engineers, elective for Juniors and Seniors in other courses.* 3d period M. W. F.

8. SPHERICAL TRIGONOMETRY, THEORY OF EQUATIONS, DETERMINANTS (2)—*Junior and Senior elective.* 3d period Tu. Th.

9. ANALYTIC GEOMETRY OF THREE DIMENSIONS, AND DIFFERENTIAL EQUATIONS (3)— Books of reference: C. Smith's and Frost's Solid Geometry, Salmon's Geometry of Three Dimensions. *Senior elective*. 1st period Th., 4th period Tu., 6th period W.

This course may be taken by graduate or undergraduate students.

NOTE—Those who desire to make Mathematics their major subject may select any one of the following groups:

- (A) Math. 1 and 2 in the Freshman Year.
 Math. 4 and 5 in the Sophomore Year.
 Math. 6 and 8 in the Junior Year.
 Math. 9 in the Senior Year.
- (B) Math. 1 in the Freshman Year.
 Math. 3 in the Sophomore Year.
 Math. 5a and 6 in the Junior Year.
 Math. 9, or 8 and 9 in the Senior Year.
- (C) Math. 1 in the Freshman Year.
 Math. 3 in the Sophomore Year.
 Math. 5a in the Junior Year.
 Math. 6, or 6 and 8 in the Senior Year.

Astronomy.

13a. DESCRIPTIVE ASTRONOMY, LECTURES AND RECITATIONS (*first term*) (2) 6th period M. and Th.

14a. SPHERICAL ASTRONOMY (*second term*) (2)—The class in Astronomy has the use of a four-inch telescope, sextant, celestial globe, and other simple instruments. The "laboratory method" of instruction is followed as far as practicable. 6th period M. and Th.

HISTORY AND POLITICAL SCIENCE.

J. H. REYNOLDS, Professor.

The courses in this department are designed to afford general culture, and in addition are essential to those who are looking to law, journalism, politics, ministry or any other public calling. Course 2 is foundation work and should be taken in the Freshman year.

2. (a) MEDIAEVAL HISTORY (*first term*) (3)—This course is designed to give the student a knowledge of the essential contributions of the ancient world to history, of the reorganization of German society upon the basis of Graeco-Roman civilization, and of the rise of the modern states. M. 1, W. 5, F. 1; M. 4, W. 5, Th. 4.

(b) MODERN HISTORY (*second term*) (3)—Beginning where course (a) leaves off, the class will study the great world movements of modern times, such as the reformation, religious wars, absolutism, the struggle for constitutional government in England, the contest for supremacy on the high seas, the French Revolution, and the democratic movements of the nineteenth century. Text-books: Robinson's History of Western Europe and his Readings in European History. *For Freshmen.* W. 5, F. 4.

3a. (a) THE COLONIES (*first term*) (3)—The planting and the growth of English institutions in America; the development of the Federal idea; our breach with England; and the making of our Federal constitution. Largely a library course; charters and constitutional documents as well as the best secondary sources will be studied.

(b) THE FEDERAL PERIOD TO 1875 (*second term*) (3)—The constitutional and political history of the United States will be studied from the organization of the government to the close of reconstruction, emphasizing the growth of political parties, the contest between Federal authority and states' rights, the slavery controversy, and the constitutional results of the civil war and reconstruction. Method of work the same as in course (a).

5a. (a) EARLY ENGLISH INSTITUTIONS (*first term*) (3)—The origin and growth of the more important English institutions, such as the Kingship, Parliament, Privy Council, common law courts, jury system and local government. Period covered from 450 to 1300. While the student should have Feildon's Constitutional History, and Colby's Select Documents, yet free use will be made of both original and secondary sources in the library. Tu. Th. F. 2.

(b) CONSTITUTIONAL HISTORY OF ENGLAND IN MODERN TIMES (*second term*) (3)—After a brief survey of the Tudor period, the class will study more in detail the struggle for constitutional

government in the Stuart period, the history of the cabinet, and the growth of parliamentary government. For method and text-book see course (a). Tu. Th. F. 2.

4a. (a) AMERICAN STATE GOVERNMENTS (*first term*) (2)—A study of the place of the state in our Federal system, of the constitutional law of states, of the structure and workings of American state governments as they exist to-day, and of some of the practical problems now before the states. M. W. 2.

(b) NATIONAL GOVERNMENTS (*second term*) (2)—A study and comparison of the structure and powers of the national governments of England, United States, France, Germany and Switzerland. Special emphasis will be given to the place of the federal system in public law. Text-book: Burgess's Political Science and Constitutional Law and the constitutions themselves. M. W. 2.

6. (a) ELEMENTS OF JURISPRUDENCE (*first term*) (3)—A study of the nature, definition, classification and elementary principles of law. Discussions largely non-technical. Designed to give the essential principles of law needed by every citizen and to introduce the subject to those students who may be looking to the law. M. 3, W. 3, Th. 3.

(b) INTERNATIONAL LAW (*second term*) (3)—A brief sketch of the history of International Law and a study of the principles now considered binding on civilized nations. Some three weeks will be devoted to Parliamentary Law. Text-book: Davis's Elements of International Law. M. W. Th. 3.

7. (a) FEDERAL CONSTITUTIONAL LAW (*first term*) (2)—An introductory study of the nature, principles, and powers of our Federal government as reflected by the written constitution and by judicial decision. Story, Boutwell and Thayer's Cases will be the basis of the course.

(b) MUNICIPAL GOVERNMENT (*second term*) (2)—While the government of our cities is coming to sustain a most vital relation to the public welfare, the American city is notoriously ill-governed. This course will offer an opportunity to study our experience in municipal government, the structure and working operation of typical city governments, and some special municipal problems.

ECONOMICS AND SOCIOLOGY.

CHARLES HILLMAN BROUGH, Professor.

The courses offered in this department are designed to give instruction on problems of current economic, social and civic interest, to prepare students for the duties of citizenship and participation in public life.

1. PRINCIPLES OF ECONOMICS (*both terms*) (3)—Texts: Bullock's Introduction to the Study of Economics and Walker's Advanced Political Economy. M. Tu. W. 1; F. 4.

2a. LAW (*both terms*) (3)—A thorough study is made in this course of the principles of corporation law, the law of contracts, and of the statute law of Arkansas. Texts: Clark on Corporations, Anson on Contracts, and Sandels & Hill's Digest of the Statutes of Arkansas (1894). Tu. 6, Th. 1, F. 1.

3. MONEY (*first part of the first term*) (3)—The principles of money and the history of monetary systems are considered. Texts: Scott's Money and Banking and White's Money and Banking (revised edition). Tu. 2, Th. 2, F. 5.

4. BANKING (*latter part of first term and first part of second term*) (3)—The design of this course is to give instruction in practical banking and an insight into the mechanism of banks. Texts: Fiske's The Modern Bank, and Dunbar's History and Theory of Banking.

8. TRANSPORTATION, ITS HISTORY AND PROBLEMS (*latter part of second term*) (3)—The economics of water transportation, the great lakes, canal systems, and the Mississippi; the evolution of the railroad system, railroad geography, rate-making, State versus private ownership, methods of government control, railroad finances, etc. Lectures, prescribed readings, and use of Railroad Commission Reports. Text: Johnson's American Railway Transportation.

5. TARIFF HISTORY AND PROBLEMS (*first term*)—The theory of protection and free trade, the tariff history of the United States, and the tariff systems of the leading countries engaging in trade

with the United States will be dealt with. Text-book: Taussig's *Tariff History of the United States*. This will be supplemented by lectures and assigned readings in Rabbeno's *America's Commercial Policy* and Laughlin and Willis's *Reciprocity*. M. 4, W. 7.

12. *INDUSTRIAL HISTORY OF THE UNITED STATES (latter part of first term and first part of second term)*—The industrial development of the United States from colonial times will be traced, special attention being given to modern industrial processes and to present resources. Lectures, recitations, special reports, prescribed readings. Text: Wright's *Industrial Evolution of the United States*.

13. *THE TRUST PROBLEM (latter part of second term)*—A comprehensive study will be made of the causes, economies and evils of the modern trust, and a consideration of plans for their proper regulation and control will be given. Lectures and assigned readings. Texts: Jenks's *The Trust Problem*, Meade's *Trust Finance*, the Report of the Chicago Conference on Trusts.

7. *PUBLIC FINANCE (first term)* (3)—The principles and history of taxation, management of public debts, and financial administration will be dealt with. Text: Plehn's *Introduction to Public Finance*. Supplementary reading in Seligman's *Essays on Taxation and Incidence of Taxation*. M. 5, W. 4, F. 3.

14. *FINANCIAL HISTORY OF THE UNITED STATES (first part of second term)* (3)—An investigation of the expenditures, revenues, debts and financial administration of the Federal government. The tariff history, the public land policy, the United States and State banks, and like topics will be studied. Text: Dewey's *Financial History of the United States*.

15. *MUNICIPAL PUBLIC WORKS (latter part of second term)* (3)—A study of the economics of city waterworks, electric light and street railway systems. Text: Whinery's *Municipal Public Works*

6. **SOCIALISM (first term)* (2)—A study of socialism and social reform, involving a consideration of such practical questions as the government ownership of railroads, the single tax, and co-operation. Text: Ely's *Socialism and Social Reform*. Assigned reading in such works as George's *Progress and Poverty*; Bellamy's *Looking Backward*, etc.

*Offered in alternate years.

11. *ECONOMIC THEORY AND HISTORY (*second term*) (2)—Text: Ingram's History of Political Economy. Assigned reading in Adam Smith, Ricardo, Bohm-Bawerk, and Leon Say.

9. PRINCIPLES OF SOCIOLOGY (*first term*) (2)—This course considers the elements, conditions and theories of social growth and progress. Lectures, and assigned readings. Text: Small and Vincent's Introduction to the Study of Society and Wright's Practical Sociology. Tu. Th. 7.

10. SOCIAL PATHOLOGY (*second term*) (2)—A study of the dependent, defective and delinquent classes, the slum centers, their problems and treatment. Lectures and special reports. Text: Warner's American Charities and Henderson's Dependent, Defective and Delinquent Classes.

CHEMISTRY AND PHYSICS.

A. M. MUCKENFUSS, Professor.

L. H. ROSE, Associate Professor.

Chemistry.

1. GENERAL CHEMISTRY (3)—Class work twice a week, two sections (a and b); parallel work in the laboratory one afternoon throughout the year, four sections (c, d, e and f). Text: Newell. *Required in engineering and other scientific courses. Prerequisite to all other courses in chemistry.* a—M. W. 3; b—Th. F. 2; c—M. 6, 7; d—Tu. 6, 7; e—W. 1, 2; f—Th. 6, 7.

PROFESSOR MUCKENFUSS.

ASSOCIATE PROFESSOR ROSE.

2b. INORGANIC CHEMISTRY (2) to (4)—Lectures and recitations twice a week; optional laboratory work one or two afternoons throughout the year. Text: Holleman; Smith.

PROFESSOR MUCKENFUSS.

3. QUALITATIVE ANALYSIS (3) to (5)—(a) Recitations once per week. (b) Laboratory work two periods per week for engineering students, three or four for scientific students, throughout the year. The object is for the student to understand the methods

*Offered in alternate years.

of separation as well as to follow them correctly. A large number of substances, both simple and complex, are analyzed. Texts: Dennis and Whitelsey; Prescott and Johnson. One or two terms. a—Tu. 3; b—M. 2, 3; T. 1, 2. PROFESSOR MUCKENFUSS.

4a. ORGANIC CHEMISTRY (4)—Lectures and recitations twice per week; laboratory work two afternoons throughout the year. Texts: Holleman; Cohen. M. 1; Tu. 6, 7; Th. 6, 7; F. 4.

ASSOCIATE PROFESSOR ROSE.

Courses 2a, 3, 4a, 7, and 12 constitute the second year of chemistry.

5. QUANTITATIVE ANALYSIS—Class work and lectures once per week. Laboratory work 2 to 15 periods per week. Practice in gravimetric and volumetric analysis. This is a necessary third year for those who would become chemists. It is naturally followed in the Senior year by courses 6, 11, 13, or by another year in course 5, in which some special line, such as iron and steel analysis, is pursued. One or two terms. Text: Clowes and Coleman. Tu. 6, 7; Th. 6, 7; F. 1. PROFESSOR MUCKENFUSS.

6. AGRICULTURAL AND FOOD ANALYSIS (3)—This course should be preceded by at least one term of courses 3 and 5. Text: Addyman, Leffmann and Beam. PROFESSOR MUCKENFUSS.

7. INDUSTRIAL CHEMISTRY (2)—Twice per week throughout the year. A study of industries having chemical principles for a basis. Text: Thorp. M. W. 4; F. 2. ASSOCIATE PROFESSOR ROSE.

8. PHYSICAL AND THEORETICAL CHEMISTRY (3)—The former consists chiefly of laboratory work, such as, determination of molecular weights, thermochemical work, measurement of electrolytic conductivity, practice with polariscope and refractometer. The latter is entirely class work. One or two terms. M. W. 3; Th. 1. ASSOCIATE PROFESSOR ROSE.

9. ASSAYING (2) or (3)—Laboratory work, consisting of preparing and testing reagents, making cupels, and assaying samples of furnace and mill products. Text: Ricketts and Miller. Second term. S. 1, 2, 3, 4.

ASSOCIATE PROFESSOR ROSE.

10. TOXICOLOGY (1)—Laboratory work once a week throughout the year. A working knowledge of qualitative analysis is a prerequisite.

PROFESSOR MUCKENFUSS.

11. GAS ANALYSIS (1)—Laboratory work once a week throughout the year. This course is designed for technical students.

PROFESSOR MUCKENFUSS.

12. METALLURGY (3)—Three times a week for first term. Text: McMillan. Tu. Th. F. 3.

ASSOCIATE PROFESSOR ROSE.

13. WATER ANALYSIS (3)—Laboratory work one term for civil engineering students. This course should be preceded by one term at least of courses 3 and 5. Text: Mason. M. 2, 3; Tu. 6, 7; Th. 1.

PROFESSOR MUCKENFUSS.

14. ELECTRO-CHEMISTRY (3)—Recitations twice and laboratory work once per week, second term. For Junior electrical engineering studies. Texts: Blount; Luepke. M. W. 3; W. 6, 7.

ASSOCIATE PROFESSOR ROSE.

Physics.

1. ELEMENTARY PHYSICS (3)—Recitations twice, two sections (a and b), and laboratory work, two sections (c and d), once per week throughout the year. Recitations are fully illustrated by experiments. *Required in engineering and other scientific courses.* Text: Gage's Principles. a—M. Tu. 1; b—Tu. Th. 4; c—Tu. 6, 7; d—F. 6, 7.

ASSOCIATE PROFESSOR ROSE.

2a. ADVANCED GENERAL PHYSICS (3)—Lectures twice, and laboratory work, once per week throughout the year. Text: Watson.

ASSOCIATE PROFESSOR ROSE.

3a. HEAT, LIGHT AND SOUND (2) or (4)—Lectures twice per week. Optional laboratory work twice per week throughout the year.

PROFESSOR MUCKENFUSS.

DEPARTMENT OF BIOLOGY.

F. W. PICKEL, Professor.

The courses of this department have been arranged to meet the needs of three classes of students; those who desire to become acquainted with the fundamental principles of plant and animal life; those who contemplate the study of medicine; and those wishing to go more thoroughly into the study of biological science to obtain the technical training necessary for subsequent investigation or for teaching.

1. GENERAL BIOLOGY (3)—This course serves as an introduction to the whole field of biological science, and should be a part of the general education of every student. Types of plants and animals will be dissected and studied in the laboratory and the essential truths of biology emphasized. One recitation and laboratory work, four hours per week throughout the year. Text-book: Parker's Lessons in Biology. M. 7; T. Th. 3, 4.

2. BOTANY (3)—In this course special attention is paid to the morphology, physiology and ecology of plants, but due attention is given, in the second term, to the systematic classification of plants, and each student is required to collect and write a technical description of a certain number of plants. The geological history of plants and the origin of cultivated plants will be briefly considered. Field work, when practicable, will form an important feature of the course. Recitations and laboratory work six hours per week throughout the year. Text-books: Barnes's Plant Life; Chapman's Flora of Southern States. M. Tu. and Th. 5, 6.

3. BOTANY—This course will consist of lectures, assigned readings, and laboratory work in morphology, physiology, or taxonomy. Work and hours arranged after consultation with the head of the department. *Prerequisite: Botany 2.*

4. BACTERIOLOGY (4)—An introduction to the subject and instruction in laboratory technique—the preparation of nutrient media, the characteristics of bacteria, the kind and effects,

isolating and keeping pure cultures, microscopical preparations, the study of bacteria found in soil, in water, and in air; study of pathogenic forms and their relation to disease. One lecture and six hours' laboratory work, first term. *Prerequisite: Chemistry 1, Biology 1.* M. 6, 7; Tu. 7; Th. 6, 7; S. 2, 3.

5. GENERAL ZOOLOGY (3)—A general course in Invertebrate and Vertebrate Morphology. Attention will be given to the fundamental facts of zoological science, and the laws of development, heredity, variation, correlation, etc. In connection with the laboratory work in the course instruction will be given to such students as desire to learn methods of preparing bird skins and mammal skins for laboratory and museum specimens. Field work, when practicable, will form an important feature of the course. One recitation and four hours' laboratory work per week throughout the year. Text-books: Hertwig's *Essentials of Zoology*; Kingsley's *Comparative Anatomy*. M. 3, 4; W. 5; F. 3, 4.

6. ENTOMOLOGY (4)—Lectures relating to the metamorphosis, anatomy, physiology, and habits of insects. Special importance will be given to beneficial and injurious insects, with remedies for the latter. Laboratory work will consist in the study of typical forms with the aid of the guide. This will be followed with determination of families and practical studies of life histories of insects, and with methods of collecting, breeding, preserving specimens. Two lectures and four hours' laboratory work per week. Text-books: Comstock's *Laboratory Guide*; Harris's *Insects Injurious to Vegetation*. M. 1; F. 1, 2, 5, 6, 7.

7. MAMMALIAN ANATOMY (5)—This course is offered to students intending to study medicine, but is open to any student who has completed course 1 in Biology. It includes a thorough dissection of one of the higher mammals, *e. g.*, the dog, cat, or rabbit; a short course of instruction in histological and embryological methods of technique to acquaint the student with the principles of Histology and Embryology. Two lectures and six hours' laboratory work per week throughout the year. Text-books: Hertwig's *Embryology*; Stohr's *Histology*. M. 1; Th. 6, 7; F. 5, 6; S. 1.

8. PHYSIOLOGY (4)—The physiology of foods, digestion, and nutrition; the blood, circulation, and respiratory mechanism; the excretion, especially analysis of urine; functions of brain and spinal

cord; physiology of nerve and muscle. Two lectures and four hours' laboratory work a week, second term. *Prerequisite: Chemistry 1; Elementary Physiology.* F. 6; S. 1, 4.

9. NATURE STUDY (1)—A special course in Nature Study, its aim, method, etc., and systematic science teaching will be offered to students who expect to teach. One lecture per week throughout the year.

GEOLOGY AND MINING.

A. H. PURDUE, Professor.

——— Associate Professor.

2. GENERAL GEOLOGY AND CONTINENTAL EVOLUTION (3)—(a) Structural and Dynamic Geology. Recitations and lectures three times a week. Text: Scott's Introduction to Geology, with outside reading.

(b) Continental Evolution. Lectures, with collateral reading, during a part of the second term, on the evolution of the North American Continent.

3. PRACTICAL GEOLOGY (3)—Field and laboratory work nine hours a week throughout the year, with the construction of geologic maps and sections, topographic maps, and relief maps.

4. PALEONTOLOGY (3)—Laboratory work six hours a week throughout the year, on determination of fossil organisms.

5. CRYSTALLOGRAPHY AND MINERALOGY (3)—(a) Lectures and recitations three hours a week during the first term on the elements of Geometric Crystallography.

(b) Laboratory work (two hours) three times a week following course (a) and extending through the year. Determination of minerals before the blowpipe, and in the wet way. Text: Determinative Mineralogy, Brush. *Required of Seniors in civil engineering.*

6. FIELD AND SPECIAL COURSES (3)—Students electing Geology as a major will be expected to spend sufficient time in the field for the careful, independent investigation of local geological problems, and to present acceptable theses on the work done. Special courses will be arranged for those who wish to elect work in addition to what is required.

7. ECONOMIC GEOLOGY (3)—Lectures, with collateral reading, on the formation, modes of occurrence, uses, and geographic distribution of economic geologic products. Second term. Open to all students who have had Geology 2 and Chemistry 1 or 2.

DEPARTMENT OF PHILOSOPHY AND PEDAGOGY.

W. S. JOHNSON, Professor.

The department of pedagogy was organized by the board of trustees to provide a proper course of study for the teachers of Arkansas.

Its objects are:

1. To increase skill and efficiency in organizations, methods, management, and teaching our rural, or ungraded schools.

2. To qualify teachers for the higher grades of work embodied in the studies necessary for state license.

3. To prepare teachers for professional skill in supervision, either as principals or superintendents.

4. To give increased scope and development to our secondary schools.

5. To elevate and maintain in the state a professional spirit and a higher scholastic standard.

For the normal course, and the conditions under which the certificate of L. I. is granted, see pages 117 and 118.

The graduates of the University are filling acceptably many of the best educational positions in the state and the demand now is greater than the supply. The need of professionally trained teachers is actively increasing, and the facilities heretofore afforded at the University have been enlarged so as to meet the necessity. The normal department

has been well equipped with needful devices, apparatus and library, and the choicest educational literature and reading is daily supplied. The problems of the day are subjects in the regular work of lectures, discussions, and theses. Besides the need of more thorough efficiency in the teaching force in common schools, there is a strenuous demand for superior skill and power in our graded school. The energy of expansion in educational interests, consequent upon the growth of population, wealth and revenues, is manifested by the increase in the number of special school districts and high schools. It is further noticed in improved buildings, equipments and appointments. This higher expression of progressive public sentiment insures the demand for professionally trained teachers—those who understand teaching as a science and an art, and who know the history of education and something of its problems and developments.

1. DESCRIPTIVE PSYCHOLOGY (*first term*) (3)—This course serves as an introduction to both philosophy and pedagogy. The course is open to all students in the collegiate department. The different functions of the mind are studied from the physiological and experimental standpoint. It is intended to make it as concrete as possible—by a study of the nervous system, and by experiments to demonstrate the action and interaction between the mind and nervous tissue. Owing to its pedagogical value students are advised to take this course as early as possible in their college course. Text-books: Buell's "Essentials of Psychology," Gordy's "New Psychology." Section a, M. W. F. 1st period. Section b, M. W. F. 7th period.

2. ART OF TEACHING AND SCHOOL MANAGEMENT WITH SPECIAL REFERENCE TO PRIMARY SCHOOLS (1)—This course serves as a general introduction to teaching and school management. It is open to all students of the University—both preparatory and

collegiate. It is especially designed for those students who teach during the vacation, or who expect to teach for only a short time.

The course will consist entirely of lectures and round-table discussions. Students may attend these lectures without enrolling as members of the class. Text-books: Page's "Theory and Practice of Teaching," Baldwin's "Art of School Management." Section a, Th. 8th period. Section b, F. 8th period.

3. METHODS (2)—The methods discussed are based on psychology. The broader generalizations of the science of education are studied, and the student learns to apply the principles of psychology to the work of teaching. This is a very practical course. During the first term the "Methods of the Recitation" is studied, the "General Methods," during the second term. Students may enter the second term. Text-books: McMurry's "General Methods" and "Method of the Recitation." Tu. Th. 1st period.

4. HISTORY OF EDUCATION (*second term*) (3)—This course includes a study of the educational systems and methods of ancient, mediaeval, and modern nations; lives and theories of educational reformers; growth of education in the United States and in the state of Arkansas. Text-books: Boone's "History of Education in the United States," Compayre's "History of Pedagogy," Lives of Pestalozzi and Horace Mann, Arkansas School Law. Tu. Th. F. 5th period.

5. EDUCATIONAL PSYCHOLOGY (*first term*) (3)—This course applies the principles of psychology to the schoolroom. It deals with the child as an educable being. It treats in minute detail the sources of interest; the characteristics of imitation, heredity, attention, memory, imagination, emotions, will, and character. Recitations, lectures, assigned readings and reports. Text-books. Dexter and Garlic's "Psychology in the Schoolroom," Hinsdale's "Art of Study." *Prerequisite:* Course 1. M. W. F. 2d period.

6. CHILD STUDY (*second term*) (3)—In this course it is intended to make a practical application of the principles studied in course 5 by studying the characteristics of children as seen in the schoolroom, at home, and on the playground. Some one child

is to be studied, and a thesis is to be presented on these observations. Lectures, assigned readings, reports and round-table discussions. Topics will be assigned and references made to pedagogical library. *Prerequisite: Course 5. M. W. F. 2d period.*

7. SCHOOL ADMINISTRATION AND SUPERVISION (*first term*) (2)—This course discusses matters of practical school organization and management, as observed in cities, towns and country districts. Such subjects are discussed as school revenues and expenditures, school sanitation and decoration, course of study, duties of superintendent and teachers in relation to school and community, philosophy of government, etc. Text-books: King's "School Interests and Duties," Spencer's "Education," Report of Committee of Fifteen, School Sanitation and Decoration. Tu. Th. 2d period.

8. PRIMARY METHODS (*second term*) (2)—This course consists of lectures and round-table discussions on methods of teaching the common school branches. It is intended to suggest practical methods of presenting these subjects to children. Plans for teaching some topic in each of the common school branches will be required. Practice teaching will also be required. Text-books: McMurry's "Special Methods in Geography," etc.; Roark's "Methods of Education." *Prerequisite: Course 3. Tu. Th. 2d period.*

9. LABORATORY METHODS IN EDUCATION (*first and second terms*) (3)—This course is intended to give the student some practical experience in methods of teaching and school management. The student will be required to teach some common school subject in the practice school under the supervision of the instructor. At the close of the school day, students and instructor will meet together in a general critique, when the methods of teaching the subject will be thoroughly discussed. This course emphasizes the art side of education—the ability to do. This course may be taken either term. *Prerequisite: First term, of Course 3.*

10. ABNORMAL PSYCHOLOGY (1)—This course is designed to supplement course 1 and to discuss especially the physiological conditions and mental phenomena of sleep, dreams, hypnotism, somnambulism, sanity, insanity, illusions, hallucinations, mind-reading, etc. This, as well as course 1, will be especially valuable

to those students who expect to study law or medicine. It is intended to throw light on many of the peculiarities of mental life as exhibited in mankind. Lectures, discussions, and recitations. Text-books: Moll's "Hypnotism," M. de Manaceine's "Sleep," Parish's "Hallucinations and Illusions," Lombroso's "The Man of Genius." M. 6th period.

11. LOGIC (*second term*) (2)—This and course 12 are combined and should follow course 1. Text-book: Creighton's "Introductory Logic." Reference books: Hyslop, Mills, Bain, Hamilton. *Prerequisite:* Course 1. Section a, M. W. F. 1st period. Section b, M. W. F. 7th period.

12. ELEMENTS OF ETHICS (*second term*) (1)—Comparative Ethics. The bearing on the moral standing of the theories of Evolution, Sociology, Biology, Economics and Political Economy, as applied to real life. Text-books: Mackenzie and Seth. Reference books: Martineau, Jenet. *Prerequisite:* Course 1.

13. INTRODUCTION TO PHILOSOPHY (2)—This course is designed to present in an elementary way the principal philosophical problems. It may properly be taken by all who desire an acquaintance with philosophy as a means of culture.

Emphasis will be laid upon the philosophy of life and of conduct in connection with the discussion of problems in Ethics, Aesthetics and the Philosophy of Religion. The problems will also be studied from the historical standpoint, which will involve the study of some of the theories of philosophical writers. Text-books: Paulsen's "Introduction to Philosophy," Bowne's "Theory of Thought and Knowledge," Knight's "Philosophy of the Beautiful." *Prerequisite:* Course 1. Tu. Th. 7th period.

14. PRINCIPLES OF EVOLUTION (*first term*) (2)—A discussion of the underlying facts, the methods of scientific research, and the philosophical problems upon which the modern philosophy of evolution is founded.

This course will consist of lectures and study of text-book.

MECHANICAL ENGINEERING.

B. N. WILSON, Professor and Superintendent of Mechanic Arts.

T. C. TREADWAY, Adjunct Professor and Assistant Superintendent of Mechanic Arts.

W. A. HARDING, Machinist.

Two courses are offered, a four-year course leading to the degree of B. M. E. (see p. 109), and a short course of two or three years (see p. 120), depending on the preparation of the student.

While the major part of a course in mechanical engineering necessarily consists of scientific and technical studies, the four years' course provides for instruction in English and the modern languages, and offers electives that may be taken in other than technical subjects.

Besides the mathematical and scientific studies which constitute the necessary preparation for the study of the engineering branches, instruction is given in mechanics, machine design, theory of steam and gas engines, etc. Special attention is given to the practical application of the truths and theories taught in the class room, a large part of the time being devoted to shop work, drawing and laboratory practice.

Sufficient instruction is given in the theory and use of electrical machinery to enable the student to use it intelligently.

In the second term of the senior year the student is offered an elective in the branch of mechanical engineering in which he wishes to specialize.

1. SHOP WORK (*hours as assignel*)—(a) Woodworking. Principles of carpentry and joinery; exercises in wood turning. (b) Founding. Green sand moulding; melting and pouring brass and

iron. (c) Forging. Management of fire; drawing and welding; riveting and tempering; case hardening and annealing. (d) Patternmaking. Practice in making patterns; care and use of woodworking machinery. (e) Ironworking. Chipping, filing, turning, planing, drilling, grinding; erection of machinery. (f) Advanced work in any of the above courses.

2. MECHANICAL DRAWING (2) or (4)—Lettering, geometrical drawing; copying machine drawings; working drawings from machine parts; tracing; blue printing. M. Tu. 6, 7.

2. (a) MECHANICAL DRAWING—Perspective and isometric drawing intersections, developments, detail drawing, blue printing.

3. MACHINE DESIGN (2) and (3)—Kinematics of machinery; design of gear teeth, cams, link motions, etc. Two hours' recitation per week, first term. One hour's recitation and four hours' drawing per week, second term. M. 4; M. Tu. 6, 7.

4. MECHANICS AND HYDRAULICS (4)—Statistics and dynamics; strength of materials; hydraulics. Four recitations per week for one year. Text-book: *Mechanics of Materials and Hydraulics*, Merriman; *Wright's Mechanics*. M. Tu. W. Th. 1st period.

4a. ELEMENTARY MECHANICS (3)—An elementary course in mechanics and hydraulics. *Prerequisite: Sub. Freshman Mathematics*.

*5. STEAM MACHINERY (3)—Elementary thermodynamics; comparison of types of steam engines, boilers, pumps, etc., valve gears. Text-books: *Steam Engine*, Ewing; *Valve Gears*, Halsey. Three recitations per week for one year. Tu. Th. F. 3.

5a. STEAM ENGINES AND BOILERS (3)—Elementary theory of steam engines and boilers—care and management of same; valve gears. Three hours per week one year. *Prerequisite: Sub. Freshman Mathematics*. Tu. Th. F. 3.

6. EXPERIMENTAL ENGINEERING (2)—Calibration of engineering instruments, indicators, steam gauges, planimeters, nozzles, weirs, etc.; tests of the materials of construction in tension, torsion, compression, and bending; complete engine and boiler trials. Text-book: *Experimental Engineering*, Carpenter. Four hours' laboratory work per week. W. 5, 6, 7, 8.

*Courses 5 and 5a may be taken for one term.

7. MACHINE DESIGN (4)—Theory of steam and gas engines; problems in steam engine and boiler design. One recitation, three periods of drawing.

8. EXPERIMENTAL ENGINEERING (2)—Advanced work in Engineering laboratory; special investigations.

9. HYDRAULIC MACHINERY (2)—A study of the design, construction and operation of water wheels and pumping machinery. Two recitations per week. Th. 4; F. 2.

10. METHODS OF ICE MAKING; COLD STORAGE (2)—Ice making machinery. Two hours per week for one term.

11. HEATING AND VENTILATING (3)—Principles of ventilation; the different systems of heating, by steam, hot water, and air; specification. Three hours per week for one term.

12. STEAM ENGINEERING (4)—Mechanical engineering of power plants; selections of machinery for the equipment of power stations; plans and specifications. One lecture and six hours' drawing per week, second term.

13. MACHINERY AND MILL WORK (4)—Discussions of the different methods of distributing power in mill work; considerations controlling the design of the power plant; specifications. One hour lecture and six hours' drawing per week, second term.

14. RAILROAD ENGINEERING (4)—Design and construction of locomotives; repairs for rolling stock; discussion of the problems relating to the mechanical engineering of railroads. One hour lecture and six hours drawing per week, second term.

The department reserves the right to withdraw any course not elected by four or more students.

CIVIL ENGINEERING.

J. J. KNOCH, Professor.

L. B. BRYAN, Instructor.

The design of this department is to furnish a course of theoretical instruction, accompanied by illustrations and as much of engineering practice as can well be taught in

schools. This course will give the student a knowledge of the fundamental principles required to enter intelligently upon the various branches of engineering belonging to this profession.

The special technical studies, which are offered in this course, may be grouped under the heads of surveying, applied mechanics, road and railroad engineering, hydraulic engineering, bridge engineering, and sanitary engineering.

Instruction. The work in surveying extends over three years. It embraces land surveying, leveling and United States public land surveys during the sophomore year; topography, railroad reconnoissance and location during the junior year; triangulation and geodesy during the senior year. Much time is devoted to practice in the field and drafting room, this work being carried on parallel with the classroom work. Each year a party of engineering students go into camp one week for practice in surveying and locating railway lines.

1. DESCRIPTIVE GEOMETRY (2)—Recitation and practice, first term. Text-book: Church's Descriptive Geometry. Engineering Hall; Th. 8:30-9:30. M. 1:30-3:20.

1a. DRAWING (2)—Selection and care of instruments. Drawing geometrical figures, conventional representation of materials, copying and tracing working drawings; and drawing from models. Two afternoons throughout the year. Engineering Hall; Tu. W. 1:30-3:20.

2. SURVEYING (*with* 3) (3)—First, and part of second, term. Care, use, and adjustment of instruments; use of chain, tape, compass, transit, solar attachment, level, sextant, and plane table; land surveying, leveling, contouring, laws, and instructions relating to surveys of the public domain. Text-book: Raymond's. Engineering Hall; M. W. 10:20-11:15.

3. FIELD PRACTICE—Exercises in land, city, and topographical surveying. Two afternoons throughout the year. Th. 1:30-5:00.

4. HIGHWAYS (1)—One hour per week, second term. The location, construction, and maintenance of common, Macadam, and Telford roads; brick, stone, wood, and asphalt pavements for city streets. Text-book: Spaulding's Roads, Streets, and Pavements. Engineering Hall; Th. 8:30-9:25.

5. RAILROAD ENGINEERING (2)—Two hours per week throughout the year. Preliminary surveys and location; transition curves, yards, and turnouts; estimates of earthwork and material used in construction; the economics of railroad location and management. Text-books: Searle's Field Engineering, and Crandall's Transition Curve and Earthwork Computations, first term; Wellington's Economic Theory of Railway Location, second term. Engineering Hall; Tu. Th. 10:20-11:15

6. FIELD PRACTICE (2)—Location of curves, turnouts, and Y's; measurement of embankments and cuts, and computation of volumes. Four hours a week throughout the year. F. 1:30-5:30.

7. RAILROAD SURVEY—One week, twelve hours per day. Actual field practice in reconnaissance, preliminary survey, and location.

8. DRAWING (2)—Lettering titles for maps and drawings. Pen and colored topography. Four hours a week throughout the year. Engineering Hall; Th. F. 11:15-1:35.

8a. DRAWING (2)—Lectures and practice two afternoons a week throughout the year. Shades, shadows, and perspective. Topographical and railroad maps from actual surveys; masonry dams, structural details, and working drawings for designs. Engineering Hall; M. Tu. 1:30-3:20.

9. MASONRY CONSTRUCTION (2)—Two hours per week, first term. Use of lime, and hydraulic cement mortars; stone and brick masonry foundations; foundations in soft materials on land and under water; cofferdams, cribs, and caissons. Text-book: Baker's Masonry Construction. Engineering Hall; W. Th. 11:15-12:10.

10. ROOFS AND BRIDGES (3)—Four hours per week, first term; three hours, second term. Theory of computation of stresses by both analytical and graphic methods; full computations, designs, and bills of material for a roof truss and railroad bridge. Text-books: Merriman and Jacoby's *Roofs and Bridges*. Parts I, II., and III. Engineering Hall; M. Tu. W. F. 8:30-9:25.

11. SANITARY ENGINEERING (2)—Two hours per week, first term. Calculation and special details of construction of sewers, separate and combined systems of sewerage; purification of sewerage; municipal and domestic sanitation. Text-book: Baumeister's *Cleaning and Sewerage of Cities*. Engineering Hall; W. Th. 9:25-10:20.

12. TECHNICAL DRAWING (2)—Lectures and practice, four hours per week throughout the year. Right and oblique arches; drawings for computations of course 10. Engineering Hall; Tu. W. 1:30-3:20.

13. WATERWORKS ENGINEERING (3)—Three hours per week, second term. Study of systems of water supply; collection, purification, and distribution of water; location of waterworks, with details of estimate of cost, turbines and pumping engines. Text-book: Folwell's *Water Supply Engineering*. Engineering Hall; W. Th. F. 9:25-10:20.

14. ENGINEERING LABORATORY (2)—Two hours per week, first term. Test of strength and other properties of materials of construction; tensile and crushing tests of brick, stone, and cement; flow of water through pipes, elbows, valves, and measurement by means of weirs. Engineering Hall; F. 1:30-5:00.

15. FIELD PRACTICE (2)—Two hours per week, first and second terms. Topographical survey, triangulation, precise leveling, and practical astronomy. Th. 1:30-5:00.

16. CONTRACTS AND SPECIFICATIONS (3)—Elective for Seniors in engineering. Lectures and recitations three times per week. Text-books: Johnson's *Contracts and Specifications*; Wait's *Engineering and Architectural Jurisprudence*. Engineering Hall; M. Tu. W. 9:25-10:20.

ELECTRICAL ENGINEERING.

W. N. GLADSON, Professor.

W. A. TREADWAY, Instructor.

Two courses of instruction are offered. The four years' course, described on page 110, is intended to afford a good general education, and at the same time to ground the student so thoroughly in the principles of electrical engineering as to furnish a good foundation for the profession.

Theoretical and applied electricity and the mechanics of engineering are naturally the leading subjects.

Theory is amply treated and tested by experiments in well equipped laboratories, thus affording the student a degree of facility in the use of instruments and machines which is acquired only by continued practice. As a requisite for graduation, each candidate must present an acceptable thesis, embodying the results of special study. The subject of such study must lie within the field of electrical engineering. It must be announced not later than the beginning of the second term of the senior year, and be approved by the professor in charge. The completed thesis must be submitted not later than two weeks before commencement day, and one copy must be deposited in the library as the property of the University.

The short course of two years described on page 121 is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only

the necessary mathematics, which, with electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice in the shortest possible time.

1. ELECTRICAL ENGINEERING (5)—Recitation, lectures, and practice five times a week throughout the year. Installation and operation of electrical machinery; Underwriters' rules; calculations; estimates; specifications, and practical work. Text-book: Management of Dynamos and Motors, by Croker and Wheeler, and Electricity and Magnetism, by Thompson. Engineering Hall; M F. 3.

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2. ELECTRICAL MEASUREMENTS (2)—Recitations and practice twice a week, second term. Text-book: Electrical measurements, by Carhart and Patterson. Engineering Hall; M. Tu. 3.

PROFESSOR GLADSON.

3. TECHNICAL DRAWING (2)—Lectures and practice two afternoons a week throughout the year. Working drawings of electrical apparatus; wiring plans designed by student. Engineering Hall, 2d floor; M. Tu. 6, 7.

INSTRUCTOR TREADWAY.

3a. DRAWING (2)—Use and care of instruments; copying of mechanical drawings and wiring plans. Drawing of machine parts. Engineering Hall, 2d floor; Tu. W. 6, 7.

INSTRUCTOR TREADWAY.

4. TECHNICAL DRAWING (2)—Lectures and practice four hours a week throughout the year; an extension of course 3, and must be preceded by it. Drawings of circuit and machine, electrical calculations, and mechanical designs of electrical machinery; complete power plants designed by student. Engineering Hall, 2d floor; M. Tu. 6, 7.

PROFESSOR GLADSON.

5. ELECTRICAL LABORATORY (2)—One afternoon a week throughout the year. An extended course in magnetic and electrical measurements; current, electro-motive force, and resistance; use and calibration of instruments, voltmeters, and potentiometers; exploration of magnetic fields; dynamo work begun. Engineering Hall, basement; Th. 5-8.

INSTRUCTOR TREADWAY.

6. ELECTRICAL LABORATORY (4)—One afternoon a week throughout the year. This is an extension of course 5, and must be preceded by it. A full experimental course in operating and testing direct and alternate current machines; Photometry transmission, storage, and transformation of electric energy. Special courses given suited to the preparation and object of the student. Engineering Hall, 1st floor; F. 5-8.

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7. DYNAMO-ELECTRIC MACHINERY (3)—Recitations three hours a week throughout the year. Confined chiefly to direct current apparatus, including types of motors, generators, and transformers; design, calculations, construction, testing, and operating. Text-book: Thompson's Dynamo Electric Machinery. Engineering Hall, 1st floor; M. Tu. W. 2.

PROFESSOR GLADSON.

8. THEORY OF ALTERNATE CURRENTS (3)—Recitations three times a week, first term. Text-book: Sheldon's Alternate Currents; Machines. Engineering Hall, 1st floor; M. Tu. W. 1.

PROFESSOR GLADSON.

9. POLYPHASE ELECTRIC CURRENTS (3)—Recitations and lectures three times a week, second term. Text-book: Thompson. Engineering Hall, 1st floor; M. Tu. W. 1.

PROFESSOR GLADSON.

10. ELECTRIC RAILWAYS (2)—Recitations and lectures twice a week, second term. Text-book: Electric Railway Engineering, by Trevert. Engineering Hall, 1st floor; Th. F. 2.

PROFESSOR GLADSON.

11. TELEPHONY AND TELEGRAPHY (2)—Lectures and recitations twice a week throughout the year. Text-books: Preece's Telephone and Commercial and Railway Telegraphy, by Abernathy. Engineering Hall, 1st floor; Th. F. 1.

PROFESSOR GLADSON.

12. ELECTRICAL MACHINERY (3)—Recitations three times a week on Direct and Alternate Current Dynamos and Motors; their application to light, power, railway mining, and manufacturing. Text-book: Dynamo Electric Machinery, by S. Sheldon. Engineering Hall, 2d floor; M. Tu. W. 1.

INSTRUCTOR TREADWAY.

AGRICULTURE AND HORTICULTURE.

The course in agriculture or in horticulture leads to the degree of Bachelor of Science. The entrance and graduation requirements with agriculture or horticulture as a major will be found under the general requirements for entrance and graduation on pages 107 and 108. The course for the degree of B. S. A. will be arranged by the professor of agriculture or the professor of horticulture, to whom all students in these subjects should report for classification at the beginning of the year. Students are advised to decide upon their major subjects as early in their college career as possible. This will unify their course and give purpose to all their university work.

Agriculture and horticulture are comprehensive-composite subjects, the principles upon which they are based being derived from a number of sciences. The course in either subject is a university course, with special attention to the sciences as they relate to agriculture or horticulture as a major subject. While in a sense a specialist, the specialist in agriculture or horticulture is less a specialist than in almost any other field. The full course of study, while ultimately practical, is intended to afford a training as broad as any other course, and equal in educational value.

Nearly everyone at sometime or other in life has to do with lands and the planting of trees or gardens, if not for money considerations then for pleasure. Some of the subjects offered in agriculture and horticulture are therefore of value to students in other departments as practical parts of a liberal education. Some of the studies may be included by such students as electives.

The course of instruction aims throughout to give the student a grasp of fundamental principles and at the same time furnish opportunity for observing their practical application to the extent of rendering him independent of mere arbitrary rules of practice. The student is encouraged to discover, plan, and execute for himself, and he is aided in this by his association with specialists in the lines which he is pursuing, and by constant opportunity to observe the farm, orchard, and garden work of the national agricultural experiment station connected with the University.

In addition to the theoretical work the student is expected to acquire a degree of practical skill—to become familiar with the best methods, and the use and care of implements and machinery.

Agriculture.

C. L. NEWMAN, Professor.

1. (a) SOILS—Their origin, classification, properties and relation to animal and plant production; drainage; irrigation; tillage. Three hours per week, first term. M. W. F. 4.

(b) FARM CROPS—Manures and fertilizers; grain crops; hay and pasture crops; root crops; fiber and miscellaneous crops. Three hours per week, second term. *Required of Freshmen in the Agricultural Course.* M. W. F. 4.

2. (a) FARM BUILDING, MACHINERY AND TOOLS—Location, construction, and management of stables, barns, dairies, silos, piggeries, sheepfolds, poultry houses, roads and fences. Farm machinery and tools, water supply. Two hours per week, first term. Tu. Th. 2.

(b) FARM ANIMALS—General discussions of the various animals usually on a farm, their breeding, feeding, care, and the production of feeds for the various classes. Two hours per week, second term. *Required of Sophomores in the Agricultural Course.* Tu. Th. 2.

3. (a) RURAL ECONOMY—General farm management; labor; marketing; transportation. Two hours per week, first term. Tu. Th. 1.

(b) EXPERIMENTS—Records and discussions of experiments conducted by the experiment stations. Two hours per week, second term. *Required of Juniors in the Agricultural Course.* Tu. Th. 1.

4. SPECIAL FARMING—(a) Live stock in general; (b) cattle; (c) swine; (d) sheep and goats; (e) poultry; (f) animal breeding; (g) animal feeding. Each subject two hours per week, first term. *Four hours required of Seniors.* W. F. 3.

(b) (h) Grain crops; (i) cotton; (j) root crops; (k) forage, soiling crops and the silo; (l) hay, pasture and green manuring crops; (m) plant breeding; (n) fertilizers and their uses. Each subject two hours per week, second term. *Four hours required of Seniors.* W. F. 3.

Horticulture.

ERNEST WALKER, Professor.

1. (a) PHYSIOLOGY OF PLANTS—A study of the subject from the horticultural standpoint. Fall term, three hours. Tu. Th. F. 3.

(b) THE PRINCIPLES OF PLANT BREEDING—Environment, variation, heredity, cross-pollination, selection, improved varieties, evolution of fruits and vegetables. Spring term, three hours. *Required of Freshmen in the Horticultural Course.* M. W. F. 3.

2. (a) HORTICULTURAL STRUCTURES AND CONVENIENCES—Hot-beds, cold frames, pits, greenhouses, materials, construction, greenhouse heating, ventilation, management, implements. Fall term, two hours. M. W. 2.

(b) PROPAGATION OF PLANTS—The various methods by which plants are multiplied, spores, seed, cuttings, budding, grafting, transplanting. Spring term, two hours. *Required of Sophomores in the Horticultural Course.* M. W. 2.

3. (a) FRUIT CULTURE—Orcharding, viticulture, small fruits with reference to kinds and varieties best adapted to the state, cultivation, marketing, including insects, diseases, spraying and other methods of control. Fall term, two hours. Tu. Th. 4.

(b) VEGETABLE GARDENING—Studies in the growing of the principal vegetables adapted to the state, for home use and market; insects, diseases. Spring term, two hours. *Required of Juniors in the Horticultural Course.* Tu. Th. 4.

4. SPECIAL WORK AND PRACTICE—(a) Handicraft. Throughout the year, two hours. (b) *Horticultural literature. Fall term, one hour. (c) Decorative gardening. Spring term, two hours. (d) *Forcing of vegetables and flowers. Fall term, two hours. (e) *Forestry. Fall term, two hours. (f) *Special studies and reports. Spring term, one hour. *At least four hours required of Seniors.* Hours by appointment.

MILITARY SCIENCE AND TACTICS.

CAPTAIN LANNING PARSONS, U. S. A., Professor.

The head of the military department is an officer of the United States army, detailed by the war department for duty at the University.

All male collegiate students are required to take the theoretical course, and all male students over fifteen years of age, not physically disabled, are required to take the practical course in military science, the latter including infantry drill, target practice, camping, guard duty, and various other exercises, the course covering the entire period of the student's stay at the University.

The act of Congress donating public lands for educational purposes requires that institutions which are the beneficiaries of such donations include military science and tactics in their course of instruction.

The system of practical instruction closely follows that used in the United States army. It contains a course of gymnastic exercises for the development and improvement

*Courses marked * open only to third and fourth year collegiate students.

of the arms, chest, legs, hands, and feet. Besides being excellent physical training, this instruction has many advantages mentally. The necessity of being alert, listening for each word of command, and acting promptly on it, quickens the wit and cultivates the habit of fixing the attention and concentrating the thoughts. In addition to all this, it inculcates in the student a respect for authority and discipline which is equalled by no other system.

The cadets are organized into one battalion, composed of field staff, band, and six companies. The officers and non-commissioned officers are selected from those students who are most proficient in their drill and military studies, and most exemplary in their deportment, the captains and lieutenants being taken, usually, from the Senior and Junior classes, and sergeants and corporals from the Sophomore and Freshman classes. An office in one of the battalions is one of merit and distinction, and any unbecoming conduct subjects the appointee to reduction to the ranks.

The cadet band, of some twenty pieces, constitutes an interesting feature of the military organization. It receives the best instruction obtainable, practices three hours per week, and takes part in all military ceremonies.

A competitive drill is held annually at the close of the college year, when prizes are awarded for proficiency in this department.

The three students of the Senior class having the highest grade of merit in this department are reported to the secretary of war, and their names recorded in the adjutant general's office and published in the army register for that

year. The president of the United States, in appointing officers from civil life, gives preference to those whose names are so recorded. Cadet officers on graduation are brevetted in the state guard with the rank held by them in the cadet battalion at the date of their graduation, and recommendations of the commandant of cadets as to special military qualifications of the graduates of the military course.

The following is prescribed as the minimum course of military instruction, practical and theoretical:

Institutions of the Second Class.*

(a) PRACTICAL—Infantry drill regulations, through the school of the battalion in close and extended order; advance and rear guards, and outposts; marches; the ceremonies of battalion review, inspection, parades, guard mounting, and escort of the colors; infantry target practice; instruction in first aid to the injured.

A guard shall be mounted five times (weather permitting) in each week of the school year, and shall be practically instructed for one hour in the posting and relief of sentinels and their duties.

(b) THEORETICAL—The infantry drill regulations covered by the practical instruction; the manual of guard duty; small arms firing regulations, parts I., II., and VII.; the articles of war, with special reference to articles 4, 8, 15, 20, 21, 22, 23, 24, 32, 38, 39, 40, 42, 44, 46, 47, 50, 55, 57, 61 and 65; and the following records: Enlistment and discharge papers, including the descriptive lists; morning reports; field and monthly returns; muster rolls; rosters; ration returns; requisitions; established property returns.

*All institutions established under the act of congress of July 2, 1862, and hence required to include military tactics in their curriculum belong to the second class.

THE PREPARATORY SCHOOL.

HENRY S. HARTZOG, LL. D., President.

INSTRUCTORS.

J. W. KUYKENDALL, Principal, Mathematics.

703 W. Dickson Street.

G. A. COLE, Mathematics.

763 W. Dickson Street.

MRS. E. W. COLE, History and Latin.

763 W. Dickson Street.

MARY A. DAVIS, English and History.

327 Washington Avenue.

MARY W. VAULX, English.

334 N. College Avenue.

ROZEE BENNETT, Mathematics and History.

502 Washington Avenue.

R. E. PHILBECK, Mathematics and Physiology.

200 S. College Avenue.

NAOMI J. WILLIAMS, Latin and History.

607 W. Dickson Street.

Instruction in German, civics, physics, nature study, pedagogy, woodworking, forging and drawing is given by collegiate professors.

This school is maintained: first, to prepare students for admission to the Freshman class in any course in the University; second, to furnish as good an education as practicable to those who do not wish to pursue an extended course; third, to provide a suitable course for those preparing to teach in the public schools who find it impracticable to take the University normal course.

Students seeking to enter the preparatory school should be thoroughly prepared for examination in the subjects required for admission to the class to which they seek entrance.

Requirements for Admission to the First Year Class.

Students desiring to enter the first year class will be examined in the following:

1. *Arithmetic.* The whole of common school arithmetic; an accurate knowledge of the properties of numbers, fractions, measurements, etc., and a good general knowledge of percentage and its applications.
2. *English Grammar.* The fundamental principles of English grammar and composition.
3. *United States History.* The leading facts in American history.
4. *Geography.* The whole of some complete manual of geography.
5. *Spelling and Writing.* Proficiency in these subjects is tested by the examination papers.

Requirements for Admission to the Second Year Class.

Students desiring to enter the second year class will be examined upon the following:

1. *Arithmetic.* A thorough and accurate knowledge of the whole of common school arithmetic.
2. *Algebra.* Academic algebra to simultaneous equations.
3. *English.* English grammar completed, and elementary composition.
4. *History.* An advanced United States history, studied with special reference to growth and development.

NOTE.—Students entering after the session has begun will be examined also in the work passed over by their class. Students who hold first grade teachers' licenses and who have had experience in teaching, will be admitted, without examination, to the second year class in the subjects covered by the licenses. Other grades of teachers' licenses and certificates of work done in other schools will be recognized to some extent in classifying students. A student should always bring with him all report cards and certificates of school work.

5. *Latin.* Bennett's Latin Lessons, or its equivalent, and easy sight reading. (Required of those desiring to study second year Latin.)

6. *Physical Geography.* Davis's Elementary Physical Geography or its equivalent. (Required of those desiring to take second year sciences.)

Examinations at Other Places than Fayetteville.

Students living at a distance from the University may obtain special local examinations, if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

Courses of Study in the Preparatory School.

The preparatory school consists of two sub-college classes, and students are required to complete sixteen hours' work in the first year class, and seventeen hours' work in the second year class as a condition of promotion to the University Freshman class. A student, having completed the prescribed preparatory work in any subject, may be admitted to the Freshman class therein, provided no preparatory study is omitted in order to take up the same.

Special courses of study are not advised in the preparatory school, but students known to be in poor health or having physical defects which interfere with their studies, may be permitted by the faculty to defer one or more subjects and extend the course over a longer period.

The classification of preparatory students is governed by the rule stated under "Classification of Students," page 92. Studies in lower classes have precedence of higher ones. Students cannot, therefore, omit studies in the preparatory school and take up collegiate studies except in such cases as may be allowed by the faculty under paragraph 3, page 93.

The completion of thirty-three hours of the following work is required for entrance to the Freshman class in either the B. A. or B. S. course, and twenty-six hours for entrance to the Freshman class in any of the engineering courses.

FIRST YEAR CLASS.		Hours per week
<i>Required Work</i>		12
Arithmetic	2	
Algebra	3	
English	4	
History of the United States and Arkansas	3	
<i>Elective Work (selected from the following)</i>		4
Latin	4	
German	4	
Physical Geography	3	
Nature Study	1	
Woodwork	2	
Forge Work	1	
Total	16 hours.	

NOTE.—Students desiring to take the course leading to the B. A. degree must elect either Latin or German in the preparatory classes. Students desiring to take the course leading to the B. S. degree may elect any four hours' elective work in each year. Those desiring to take any of the engineering courses may omit History of Greece and Rome and may elect any four hours of elective work.

SECOND YEAR CLASS.		Hours per week
<i>Required Work</i>		13
Algebra		2
Plane Geometry		4
English		4
History of Greece and Rome		3
<i>Elective Work (selected from the following)</i>		4
Latin		4
German		4
Physiology		2
Physics		2
Civics		2
Drawing		2
Total	17 hours.	

Teachers' Course.

This course has been arranged for students who do not desire to take a full course at the University and who wish to qualify themselves to teach in the public schools of this state.

FIRST YEAR CLASS.		Hours per week
Arithmetic		2
Algebra		3
English		4
History of the United States and Arkansas		3
Civil Government		2
Physiology 2 hours, or Pedagogy 1		3
SECOND YEAR CLASS.		
Algebra		2
Plane Geometry		4
English		4
History of Greece and Rome		3
History of Mediaeval and Modern Europe		3
Pedagogy 3		2

NOTES.—Students desiring to prepare for the normal course (see p. 117), should take the preparatory course with Latin. In this teachers' course, it is intended that the completion of the first year's work will prepare the student for a first grade license and the completion of the second year's work for a professional license.

Detailed Work of Courses.

FIRST YEAR CLASS.

MATHEMATICS, 5.—Higher Arithmetic, text to be selected; Milne's Academic Algebra to Simultaneous Equations.

ENGLISH, 4.—(1) *English Grammar*: Maxwell's Advanced Grammar. (2) *Composition*: dictation; letter writing; class-room themes, one each week, written and rewritten, based on assigned general reading, with especial attention given to spelling, punctuation, paragraphing, and idiomatic expression. (3) *For General Reading*: Irving's Life of Goldsmith; Addison's Sir Roger de Coverley; Lowell's Vision of Sir Launfal; Coleridge's Ancient Mariner. (4) *For Careful Study*: Macaulay's Essay on Addison; Burke's Speech on Conciliation. (5) *For Memorizing*: Coleridge's Ancient Mariner; Lowell's Vision of Sir Launfal.

LATIN, 4.—Bennett's Latin Lessons; Collar's New Gradatim.

GERMAN, 4.—Lange's German Method; Leander's Traumereien; von Hillern's Hoeher als die Kirche; Drei Kleine Lustspiele; Wesselhoef's Composition.

HISTORY, 3.—United States History (text to be selected), and other texts for collateral study.

GEOGRAPHY, 3.—Davis's Physical Geography.

NATURE STUDY, 1.—Hodge's Nature Study and Life.

WOODWORKING, 4.—Principles of carpentry and joinery; wood turning; cabinet work. Sickel's Exercises in Woodworking.

FORGING, 2.—Management of fire; drawing; welding; riveting; tempering.

SECOND YEAR CLASS.

MATHEMATICS, 6.—Fisher and Schwatt's Secondary Algebra through quadratics. Beman and Smith's Plane Geometry, completed.

ENGLISH, 4.—(1) *Rhetoric*: Hill's Foundations of Rhetoric. (2) *Composition*: Class-room themes, one each week, written and rewritten, based upon assigned general reading, with especial attention given to spelling, punctuation, paragraphing, and idiomatic

expression. (3) *For General Reading:* Tennyson's Princess; Carlyle's Essay on Burns; Shakspeare's Julius Caesar, and Merchant of Venice; Scott's Ivanhoe; George Eliot's Silas Marner. (4) *For Careful Study:* Shakspeare's Macbeth; Macaulay's Essay on Addison; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas. (5) *For Memorizing:* Milton's L'Allegro, Il Penseroso, Comus, and Lycidas, and selections from Shakspeare's Macbeth and Tennyson's Princess.

LATIN, 4.—Four Books of Caesar, or an equivalent; Bennett's Grammar and Exercise Book.

GERMAN, 4.—Riehl's Der Fluch der Schonheit; Freytag's Karl der Grosse; Schiller's Der Geisterseher; Lyrics and Ballads; Lessing's Minna von Barnhelm; Schiller's Wilhelm Tell; Goethe's Hermann und Dorothea; Pol's German Composition.

HISTORY, 3.—Botsford's History of Greece, first term; Botsford's History of Rome, second term.

PHYSIOLOGY, 2.—Hutchinson's Physiology and Hygiene.

PHYSICS, 2.—Gage's Elements of Physics; lectures, laboratory and written work.

PEDAGOGY, 5.—Page's Theory and Practice of Teaching; Baldwin's Art of School Management; McMurry's General Methods; McMurry's Methods of Recitation; Buell's Psychology; James's Psychology.

CIVIL GOVERNMENT, 2.—Willoughby's Rights and Duties of American Citizenship, Arkansas and The Nation, and Johnson's History of American Politics.

FREEHAND DRAWING, 4.—Practice Work; outline drawing from models and machine parts; plan, elevation, and section drawings.

NOTE.—In the preceding courses the figure after each subject indicates the number of hours per week.

CONSERVATORY OF MUSIC AND ARTS.

HENRY S. HARTZOG, LL. D., President.

PAUL SCHMOLCK, *Director*, 314 W. Mountain Street.
Piano, Theory and History of Music.

GERTRUDE CRAWFORD, 212 N. College Avenue.
Voice Culture.

CLARA SCHRADER, Cor. Meadow and East Streets.
Violin, Mandolin and Guitar.

FRANK BARR, 227 N. Maple Avenue.
Band Instruments.

MARTHA H. WHITE, 740 W. Maple Street.
Elocution and Physical Culture.

AMMEE LEVERETT, 924 W. Maple Street.
Art.

For instruction in modern languages see pages 124 to 130 of this catalogue.

Purpose.

The fundamental idea of the management has been to make the Conservatory of Music and Arts complete and thorough in every respect, and to advance the pupils rapidly, yet carefully. In other words, the standard of efficiency must be so high that a certificate of study and ability granted here will possess a value recognized far and wide, and that pupils will choose to study here in preference to going to the great cities.

Special Advantages of Conservatory Instruction.

Aside from the opportunity of instruction by teachers of recognized ability, the advantages of conservatory over private instruction are so manifest that we deem it hardly necessary to enumerate the many points in its favor.

It is almost impossible for the private teacher to give the required attention to the different instrumental branches, as well as the theoretical, such as harmony, counterpoint, composition, ear training, etc., which are absolutely essential

to a thorough musical training; at the same time, the lectures on musical history, the public recitals, as well as the close association of a large number of earnest students, create a certain musical atmosphere which is a great aid and stimulus to increased efforts on the part of pupils.

Recitals.

Especial attention is called to the recitals of both students and faculty, of which a number are given each year, and which have won a reputation for artistic excellence. The advantage derived from these cannot be overestimated.

At the pupils' recitals, which are given at regular intervals, all students are privileged and expected to appear as their talents and advancement may warrant. Not only does this offer them a greater incentive to put forth their best efforts, but it helps them to overcome the nervousness which often mars the performance of students who have not the opportunity of performing frequently before an audience. The recitals given by members of the faculty have attracted especial attention, and, needless to say, are a further aid and attraction to pupils.

Chorus Work.

A large chorus has been organized to which all students are admitted free. Oratorios, cantatas and part songs by the best composers are studied here, which are performed in recitals and concerts during the season and especially at commencement.

Orchestra.

Students of the violin and other orchestral instruments will, as soon as possible, be admitted to membership in the University orchestra, which takes part in all recitals and

concerts. This practice is a decided advantage, as well as a source of pleasure to the student. Students derive great benefit from the orchestral and chorus practice, which is free to all students of the University. The work of the pupils in these branches has elicited the highest commendation.

Piano.

Modern science has accomplished much in advance of older methods in the study of the arm, knuckles, wrist and fingers for touch and technique. By proper attention to details in the outset much disappointment and misdirected effort can be spared. The great value of this training of the wrist, fingers, and arms has been shown in the playing of the greatest pianists, Liszt, Von Buelow, Paderewski, and others, and greater strength for the fingers can thereby be developed, also suppleness and elasticity of the wrist and forearm. The course consists of technical exercises followed by studies by Bertini, Koehler, Heller, Loeschhorn, Czerny, Cramer, Clementi, Moscheles, Kullack, Chopin, Rubinstein, Liszt, etc.; inventions, suites, well-tempered clavichord of Bach, sonatas of Mozart, Haydn, Beethoven; and compositions by Weber, Mendelssohn, Schumann, Chopin, Liszt, Rubinstein, Brahms, etc.

Piano Practice.

Pupils can arrange at very moderate expense to do their daily practicing at University Hall, in case this should prove desirable.

Organ.

Students desiring to study the pipe organ have free use of the two-manual bass-pedal organ in the University chapel. The course includes the following works: Stainer's *Organ Primer*, Ritter's *Organ School*, *The Art of Organ Playing* by W. T. Best, *Pedal Studies* of Schneider. In connection with and following these are used trios and sonatas by Mertel, Rheinberger, Ritter; Mendelssohn's preludes and fugues, sonatas, etc. The modern school of organ playing is represented by Guilmant, Saint-Saens, etc.

Violin and Other String Instruments.

The violin is by many considered the most difficult of instruments and requires careful and conscientious study. So much depends on the beginning. Often a pupil begins study with an inexperienced teacher, or one who does not concentrate his attention on this one most difficult instrument, and consequently falls into bad habits of position, bowing, or technique that make advancement difficult and are in many cases almost impossible to overcome. The pupil is taken from the beginning and carefully brought through the most difficult phases of the violin. In addition to his exercises, he is, as soon as possible, given pieces within his capacity. The course of study includes the following: Hohman's *Practical Method*, Books I-V; F. Wohlfarth, *Op. 45*, Books 1. 2.; *Op. 74*, Books 1. 2.; G. Wichtel, *Op. 20*; *Studies of Mechanic and Expression*; Mazas, *Op. 38*, 12 Duos; Blumenthal, *Op. 68*; 24 *Etudes*; Rud. Freutxer, 42 *Studies or Caprices*; Henry Schradick's *School of Violin Technics*;

Pieces by Vieuxtemps, Dancla, De Beriot, H. Schroeder, Weiss, Tartini, Blumenstengel, Behr, Brahms, Dussek, Durand, Ernst, and others.

Instruction on the guitar includes the following course: Arling Shaefer's "Elite" Method; Winner's, Weisshaupt's, or Carcassi's Methods; pieces by Sousa, Arnold, Weissenburg, Eaton, Ortenstein, P. W. Newton, Rutledge, and others.

For the mandolin are used: Branzoli's Practical Method; Arling Shaeffer's "Elite" Method or Weissenburg's Modern Mandolin Method; pieces by the best modern composers.

Band Instruments.

Students of band instruments may, as soon as possible, be admitted to membership in the University band, which is under the direction of an experienced bandmaster.

Voice Culture.

In this branch special stress is laid on the control of the breath, accuracy of tone, and distinct articulation; next, the development of mind, body, and voice, co-operatively. There is study of intervals, scale building, sight reading. As early as practicable the student is trained in phrasing. Musical expression is artistically developed in harmony with the individuality of the pupil. The exercises used are those best adapted to the needs of the pupil. Songs of the best American, English, German, Italian, and French composers are used according to the progress of the pupil. There is study of opera and oratorio.

For pupils desiring it, normal classes will be formed and a normal course given for the benefit of those who wish to teach in the public schools.

Especial attention is given to concerted work—duets, trios, quartettes, chorus work, and training for membership in the glee club.

Theory of Music.

All students preparing for an artistic career or for that of instructor will find this a very necessary branch. The work in a summary is as follows:

Harmony.

Keys, scales, intervals, formation of the triad, chord connections, and simple part writing, harmonizing basses, including all chords of the seventh and their inversions, altered and augmented chords, suspensions, modulation.

Counterpoint.

Simple counterpoint in two, three, and four parts. Double, triple, and quadruple counterpoint, canon, and fuge.

History of Music.

Classes in this important branch will be arranged. The study of the history of music is necessary for graduation in either vocal or instrumental music.

Sight Reading.

All music students will be given practice in sight reading, which will be a great aid in their regular work, as the ability to read well at sight is of the utmost assistance to the performer in preparing lessons and in accompaniments.

Teachers' Course.

Those desiring to become teachers, will be given special preparation when they are sufficiently advanced in their branches.

Graduation Diplomas and Certificates.

In replying to the many inquiries regarding the period of study required for graduation, it must be said that it is difficult to answer this question, as all depends upon the ability and application of the student. Some will accomplish in one year what it takes others two or three times as long to complete. The term varies from four to six years. A graduate must be able to give acceptably a recital in the chosen branch, besides passing examinations in harmony, and the history of music. Diplomas with the degree of Bachelor of Music are conferred upon graduates. On request, certificates are issued to those finishing a portion of the whole course. As the standard set in this department is that required by the best conservatories of the country, a diploma obtained under these conditions has a meaning.

A fee of \$5 is charged for the diploma.

MUSIC COURSE.

Leading to the Degree of Mus. Bach.

FIRST YEAR.

- 2 hours music lessons.
- 3 hours (6 hours) practice.
- 4 hours English.
- 3 hours U. S. history.
- 3 hours arithmetic.
-
- 15 hours.

SECOND YEAR.

- 2 hours music lessons.
- 3 hours (6 hours) practice.
- 4 hours English.
- 3 hours general history.
- 3 hours elective.
-
- 15 hours.

FRESHMAN.

- 2 hours music lessons.
- 6 hours practice.
- 4 hours elocution.
- 3 hours English.
-
- 15 hours.

SOPHOMORE.

- 2 hours music lessons.
- 6 hours practice.
- 3 hours German 1.
- 3 hours Italian 1.
- 1 hour elective.
-
- 15 hours.

JUNIOR.

- 4 hours music lessons (2 piano or vocal, 2 harmony).
- 6 hours practice (12 hours).
- 3 hours German 2.
- 2 hours elective.
-
- 15 hours.

SENIOR.

6 hours music lessons (2 piano or vocal, 2 harmony, 2 History of Music).

9 hours practice (18 hours).

—
15 hours.

Music students, not desiring to graduate, but merely wishing to accomplish a specified amount of musical work, may have a special course laid out, according to their individual needs. A certificate stating just what they have taken will be given them upon request.

Piano.

List of Music used in the Mus. Bach. Course.

FRESHMAN.

Major and Minor Scales.

Mason's Technics.

Studies by Heller; Loeschhorn; Bertini.

Czerny's School of Velocity Nos. 1, 2.

Sonatinas by Clementi; Kublaur; Reinecke, etc.

Graded pieces by classic and modern writers.

SOPHOMORE.

Scale work continued.

Czerny's School of Velocity Nos. 3, 4.

Berens op. 61.

Heller op. 46.

Octave studies.

Selections from Haydn, Mozart, Mendelssohn, etc.

Recitals.

JUNIOR.

Scales in 3ds and 6ths.

Heller op. 16 and 90.

Czerny op. 740 and 409.

Cramer Studies (Von Buelow Edition).

Kullak op. 48.

Selections from Haydn, Mozart, Beethoven, Schumann, Weber, Mendelssohn, Chopin, Liszt, etc.

Harmony (Dr. Stainer's).

SENIOR.

Clementi's *Gradus ad Parnassum*.

Bach, *Well-Tempered Clavichord*.

Chopin, op. 10.

Selections from Beethoven, Weber, Schubert, Mendelssohn,
Chopin, Liszt, Raff, Rubinstein, Scharwenka, Moszkowsky, etc.

Recitals.

Harmony completed.

Counterpoint, Musical Form.

History of Music.

Vocal.

List of Vocal Music used in the Mus. Bach. Course.

FRESHMAN.

Marchesi's individual exercises.

Panofka's *Vocalises* op. 85.

Studies for sight-reading and easy songs.

Piano lessons for accompaniment playing.

SOPHOMORE.

Marchesi's individual exercises.

Panofka's *Vocalises* op. 81.

Concone's *Vocalises* op. 12.

Studies for sight-reading and songs of second grade.

Piano lessons for accompaniment.

JUNIOR.

Marchesi's individual exercises.

Sieber's *Vocalises* op. 94.

Concone's lessons op. 17, and songs of some difficulty, including
oratorio.

Harmony (Dr. Stainer's).

SENIOR.

Lamperti's studies in bravura.

Oratorio and operatic arias, and difficult songs in English,
French, German and Italian.

Harmony completed.

History of Music.

ART.

AMMEE LEVERETT, Instructor.

(Pupil of Pennsylvania Academy of Fine Arts and the Corcoran Art School.)

Branches Taught.

Drawing oil, water color and pastel from still-life, casts, and life, decorative art, including china painting, wood carving, pyrography, and chalk-plate engraving, in connection with pen and ink drawing.

Regular Course.**FIRST YEAR.**

Charcoal and pencil drawing from casts, still-life, and nature.

SECOND YEAR.

Drawing from casts and life, painting in oil and water-color or pastel from nature and life; sketching out of doors in any medium.

THIRD AND FOURTH YEARS.

Drawing and painting in any medium from life, landscape, and the flat, and studies in composition.

A special course in free-hand drawing and water-color has been arranged for students preparing for public school work.

Students who wish to study decorative oil alone are required to take a short preliminary course in drawing.

ELOCUTION AND PHYSICAL CULTURE.**I. Elocution.****1. PSYCHOLOGICAL DEVELOPMENT OF EXPRESSION.**

The mind is trained to appreciate language so as to get all the varying shades of meaning out of it by clear and forcible speaking and to affect the audience as the author intended. The imagination is cultivated, the emotional nature is developed and controlled, and the will is strengthened by learning to follow a train of thought. The effects are naturalness, directness, and repose.

Daily training upon classics from English literature. Vocal and dramatic interpretation of "The Merchant of Venice," "Macbeth," "Hamlet," and "As You Like It." Study and vocal interpretation of "Saul," "Rabbi Ben Ezra," "Abt Vogler," "The Last Ride Together," and "Andrea del Sarto."

2. ORATORY.

A study and delivery of some of the great orations and the methods adopted by the leading orators; Bible and hymn reading; practice on the laws that govern universal art as applied to oratory and original speeches.

3. VOICE.

Lectures on the physiology and hygiene of the voice and the relation of the vital organs to the vocal; the fundamental principles of voice production and its relation to the nervous system. Deep and rhythmic breathing; placing of tones;

projection of tone; development of resonance, flexibility, freedom, smoothness, purity, power; and brilliancy of tone. Voice as an interpreter of mental states and its relation to imagination and feeling.

4. VISIBLE SPEECH.

(Bell's Method) Diagrams and symbols of vowels and consonants. Instruction in forming vowels and consonants from objective ideals. Training the ear to detect all variations in the fundamental sounds. Overcoming individual defects in vocal organs. Clear articulation and perfect enunciation.

II. Physical Culture.

1. GYMNASTICS.

The aim of this department is to develop the body symmetrically and to acquire a normal condition as a basis for health and grace.

Work with gymnasium apparatus. Drill with wands, dumb bells, bars, Indian clubs, "setting-up exercises," marches, and fancy steps. Gymnasium games, including basket ball. Exercises adapted to overcome individual defects. Rhythmic drills given to break lines of limitation and awkward appearance in the body.

The Emerson system of psycho-physical culture, together with other systems, as the Swedish and the Ralston, are used as the individual needs of the pupils require.

2. GESTURE.

The principles of Delsarte are used. Developing the mind to think intelligently on a subject, thereby causing the body to respond properly as an aid to this expression. Right concepts and proper physical drill to develop the whole body harmoniously.

The aim sought in gesture and bodily expression is truthfulness, completeness, unity, and intensity of expression with individuality and originality.

3. LECTURES.

On etiquette, morals, manners, hygienic dress, aesthetic and artistic culture as revealed by nature and art, the relationship of nature and art.

Terms of Tuition.

Owing to the fact that the state provides for the expenses of the music department and a portion of the salary of the instructors, the tuition is far below the usual price paid elsewhere for similar advantages.

One term (18 weeks) two lessons per week—Piano, voice culture, string or band instruments.....	\$22.50
Harmony (in class)	5.00
Use of pianoforte for practice one hour daily.....	2.50
Elocution in classes free to University students.	
Regular art course \$5.00 per month, or \$12.00 per term of three months.	
Teacher's art course, \$1.50 per month.	

All students are required to matriculate with the secretary of the University. The music and art students will pay the regular matriculation fee of \$5 in addition to their tuition.

The tuition is based upon a term of eighteen weeks except when otherwise stated, and these rates do not apply for a less period. Tuition must be paid at the beginning of the term and receipt presented before taking lessons.

Rules and Regulations.

All arrangements must be made at the director's office (University Hall, room 26).

The tuition is payable strictly in advance; a higher rate is charged if paid later.

Pupils may enter at any time, but will not be accepted for less than one term of eighteen weeks.

No deduction can be made for lessons missed by the pupil, but such lessons may be made up within the term.

Pupils are not allowed to take part in public entertainments without the knowledge and consent of the director.

For further information, address the director.

AGRICULTURAL EXPERIMENT STATION.

W. G. VINCENHELLER, Director, 321 Washington Avenue.

R. R. DINWIDDIE, M. D., 518 Leverett Street.

Pathologist and Bacteriologist.

C. L. NEWMAN, M. S., Maple Street, near Highland Avenue.

Agriculturist.

ERNEST WALKER, B. S. A., 524 Leverett Street.

Horticulturist and Entomologist.

J. F. MOORE, B. S., Chemist, 331 Highland Avenue.

The national government established the experiment station as a department of the University in 1887, and maintains it to investigate agricultural problems for the aid of the farmers of the state.

The work of the experiment station is divided into the special lines of agriculture, horticulture, and entomology; chemistry, animal and plant diseases; animal production, pomology, and farmers' institute work. Specialists are employed in each line, and experiments are made both in

the field and in the laboratory in the improvement of soils, the rotation of crops, diseases of plants and domestic animals, in fertilizers, the value of stock foods, dairying, and other matters. Students interested in agricultural subjects are given opportunity to observe the experiments and to acquaint themselves with the work of the station in its various departments; the bulletins are also available for their use. The experiments and their results are published in bulletins, which are sent free to farmers, stock raisers, and fruit growers of the state, and to others interested in agriculture.

Those who desire the station bulletins should apply for them to the director of the station, Fayetteville, Ark. One application is sufficient to obtain all future bulletins if desired.

Since its establishment the station has issued eighty-one bulletins on agricultural subjects. The following bulletins are not yet out of print and may be secured by writing to the director of the station:

19. Farm Manuring.
22. Sorghum and Sugar Cane Culture—Syrup and Sugar Making on Small Farms.
23. Cotton—Maintenance of Cotton Soils and their Improvement Without Commercial Fertilizer. Feeding Vegetable Matter to Cattle before Using as a Fertilizer.
25. Animal Pathology.
27. Agriculture—Late Crops for Overflow Lands—Corn.
28. Agriculture—Rye for Green Winter Feeding—Fertilizer Experiments with Rye—Onion from Seed, etc.
29. Agriculture—Wheat Experiments on Sandy Loam Soil—Some Grass Experiments on Clay Loam Soil.
30. Stock Feeding.
31. Agriculture—Fattening Mature Steers on Cotton Seed and Cowpea Hay.
32. Farm Drainage—Protection of Soil from Surface Washing. Drainage of Wet Lands. Indications of the Need of Drainage.
33. Insects—Remedies for Destroying them.
34. Vegetable Gardening—Culture and Fertilization.

40. On the Toxic Properties of Moulds—Investigation of Stock Diseases.

41. A Succession of Crops for Pork Production.

42. Wheat or Milling Products.

43. Horticultural Reports.

44. Vegetable Gardening.

46. Improving Worn Soils With Legumes.

47. Principles of Farm Manuring.

51. Communicable Diseases.

52. Feeding Cotton Seed and Meal.

53. Chemistry of Wheat.

54. Feeding Test of Foods for Producing Pork.

55. Orchard Cultivation.

56. Tomatoes, Onions, etc.

57. Relative Virulence for the Domestic Animal of Human and Bovine Tubercle.

58. Grazing of Steers, and Other Experiments.

59. Experiments with Corn in Different Latitudes.

60. Second Report on the Arkansas Seedling Apple.

61. Hay and Pasture Plants for Arkansas Soils.

62. Wheat Experiments.

63. The Relative Susceptibility of the Domestic Animal to the Contagia of Human and Bovine Tuberculosis.

64. Notes on Celery.

65. Pig Feeding Experiments.

66. Oat Experiments.

57. Investigation of Swine Diseases in Arkansas.

68. Soil Improvement and Forage Experiments.

69. Some Muskmelon Experiments.

70. Cowpea Experiments.

72. Sweet Potato Experiments.

73. Pork Production and Hog Ranching.

74. Phosphates of Arkansas.

75. Alfalfa.

76. Pig Feeding Experiments with Cotton Seed Meal.

77. Cowpea Experiments.

78. Edible Oils.

79. Peach Growing in Arkansas.

80. Cowpea Hay.

81. Fertilizers.

THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS.

Little Rock, Ark.

HENRY S. HARTZOG, LL. D., *President.*

JAMES A. DIBRELL, M. D.,

*Professor of General Descriptive and Surgical Anatomy and
President of the Faculty.*

EDWIN BENTLEY, M. D., U. S. A. (Retired.),

Professor of Principles and Practice of Surgery.

C. WATKINS, M. D.,

Professor of Practice of Medicine.

JAMES H. LENOW, M. D.,

Professor of Diseases of Genito-Urinary Organs.

LOUIS R. STARK, M. D.,

Professor of Gynecology.

F. R. DIBRELL, M. D.,

*Professor of Physiology, Physical Diagnosis, and Clinical
Medicine.*

FRANK VINSONHALER, M. D.,

Professor of Ophthalmology and Otology.

THOMAS N. ROBERTSON, A. B., LL. B.,

Professor of Medical Chemistry and Toxicology.

W. H. MILLER, M. D.,

Professor of Obstetrics.

F. L. FRENCH, M. D.,

*Professor of Materia Medica, Therapeutics, Hygiene, and Botany,
and Secretary of the Faculty.*

CARLE E. BENTLEY, M. D.,

Professor of Clinical Surgery and Dermatology.

JOHN R. DIBRELL, M. D.,

Professor of Surgical Pathology and Bacteriology.

W. C. DUNAWAY, M. D.,

Demonstrator of Anatomy.

E. E. MOSS, A. M., LL. B.,

Professor of Legal Medicine.

J. W. JENKINS, M. D.,

Adjunct Professor of Principles and Practice of Surgery.

R. W. LINDSEY, M. D.,

Lecturer and Clinical Instructor on the Practice of Medicine.

C. E. WITT, M. D.,

Lecturer and Clinical Instructor on the Practice of Medicine

H. C. STINSON, M. D.,

Lecturer and Clinical Instructor on Diseases of the Nervous System.

ANDERSON WATKINS, M. D.,

First Assistant Demonstrator of Anatomy.

WRIGHT LINDSEY, M. D.,

Second Assistant Demonstrator of Anatomy.

A. E. SWEATLAND, M. D.

Third Assistant Demonstrator of Anatomy.

S. P. VAUGHTER, M. D.,

Fourth Assistant Demonstrator of Anatomy.

C. E. WITT, M. D.,

Assistant to the Chair of Materia Medica and Therapeutics.

W. A. SNODGRASS, M. D.,

Assistant to the Chair of Gynecology.

J. G. WATKINS, M. D.,

Assistant to the Chair of Otology and Ophthalmology.

A. R. STOVER, M. D.,

Assistant to the Chair of Physiology and Clinical Medicine.

ANDERSON WATKINS, M. D.,

Assistant to the Chair of Clinical Surgery and Dermatology.

Prosectors of Anatomy and assistants to other chairs to be supplied.

SAM PRYOR, Janitor at the College, corner Second and Sherman Streets. All communications should be addressed to

F. L. FRENCH,

Little Rock, Ark.

Twenty-Sixth Annual Announcement

OF THE

MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS.

The regular course of lectures will begin on Monday, October 17, 1904, and continue until April 15, 1905.

Lectures will be delivered daily during the six days of each week.

The matriculation book will be open from and after September 1 to students desiring to matriculate early and secure choice of seats.

In making this annual announcement the faculty feels great satisfaction in referring to the continued success and prosperity of the medical department. The cordial indorsement of the Arkansas Medical Society, and the generous influence of the medical profession throughout the state, are highly appreciated and encourages the members of the faculty to continue the arduous labors they have so long and zealously maintained.

Four Years' Graded Course.

The advanced stand taken by the faculty in adopting the four years' graded course as required by the Association of American Medical Colleges, seems to be appreciated by members of the medical profession, and students as well, as is shown by the number and higher educational standing of students since its adoption.

It is a source of satisfaction to the faculty that this school has been a member of the American Medical College Association since the latter's foundation, and has always been in favor of the very highest standard for graduates of medicine. While rival schools have, apparently at least, been coerced to adopt the four years' graded course, our school has invariably been among the first to indorse and adopt every step toward the movement for higher medical education.

The demands of modern medicine are such that after long experience it has been fully demonstrated that a shorter term of study is wholly inadequate for any student, no matter what his capabilities are, to acquire a thorough medical education. Moreover, in the present crowded state of the profession, there is no longer any room or demand for half-taught and partly educated physicians, and only those who are fully trained and thoroughly educated are fitted for the responsible duties of a physician, or are likely to succeed in their chosen profession.

So universal is the demand for higher medical education that in many states boards of health and other constituted authority refuse to license graduates of medical schools having a shorter term of study than four years.

Matriculation.

As required by the rules and regulations of the Association of American Medical Colleges, students on matriculating are required to present credentials showing that they are matriculates or graduates of recognized colleges of literature, science or arts, of high schools, academies, normal schools, or equivalent schools, or teachers' certificates.

Graduates and matriculates in medicine, dentistry or pharmacy, on presenting proper credentials, are exempt from the entrance examination.

To avoid delay, students entitled to matriculate without examination are requested to bring their certificates with them and present them on arrival at the college.

Students not entitled to exemption, as hereinbefore provided, are required to pass an entrance examination, with the following requirements: The writing of an English composition of not less than 200 words; the translation of easy Latin prose; a knowledge of the elements of arithmetic or algebra, and of elementary physics.

Students who may be unsuccessful in their entrance examinations, on any subject or subjects, are allowed one year to qualify themselves; they may register and pursue their studies one year, but they cannot begin the studies of the second year until they have passed the required entrance examination.

These examinations are reasonable, their only object being to ascertain whether students are sufficiently educated to profit by medical study.

Students who have the entrance requirements will be entitled to additional credit for time on the four years' course, as follows: (a) To students having the A. B., B. S., or equivalent degrees from reputable literary colleges, one year of time. (b) To graduates and students of colleges of homeopathic or eclectic medicine, as many years as they attended those colleges, provided they have met the previous requirements of this school and passed an examination in

materia medica and therapeutics. (c) To graduates of reputable colleges of dentistry, pharmacy and veterinary medicine, one year of time.

Curriculum.

First Year—Anatomy, Practical Anatomy, Physiology, Chemistry Physics, Histology, Medical Ethics and Materia Medica.

Second Year—Anatomy, Practical Anatomy, Physiology, Chemistry, Materia Medica, Pathology, Obstetrics.

Third Year—Materia Medica and Therapeutics, Toxicology, Obstetrics and Diseases of Children, Physical Diagnosis, Diseases of the Eye and Ear, Practice of Medicine, Surgery.

Fourth Year—Review of all branches—Practice of Medicine, Surgery, Dermatology, Gynecology, Bacteriology, Urinology, Venereal Diseases, Diseases of the Nervous System, Medical Jurisprudence.

Students are required to stand an examination each year before being advanced.

Location.

The city of Little Rock is conveniently situated in the center of the state, and railroads enter from every direction, making it easily accessible.

It has a population of more than 60,000, and has always been classed as one of the healthiest cities west of the Mississippi River. Few places can boast of better educational facilities than Little Rock. All of the eleemosynary institutions of the state are located here. These are the school for the blind, the deaf mute institute, and the insane asylum.

University Building.

The new structure is an imposing edifice, three stories in height, constructed of brick and admirably arranged for the convenience of both students and instructors.

It has a large lecture hall, a fine ampitheater with chairs, a library, a reading room, a museum, several dissecting rooms, all well lighted and ventilated. In fact, it is designed to be a modern and model medical college building. It is situated on Second and Sherman Streets.

Hospitals.

“The Logan H. Roots Memorial Hospital”—By the munificence of the late Colonel Logan H. Roots and the benevolence of his widow, the city of Little Rock has an elegant public hospital.

The medical department of the University is fortunate in having this hospital situated on lots adjoining and directly connected with its own building, thus giving greatly increased clinical facilities.

St. Vincent's Infirmary, designed solely for the treatment of acute diseases, has a capacity of nearly a hundred beds. This hospital is splendidly equipped and furnished with modern conveniences and improvements, is in the very best sanitary condition, and under the supervision and management of trained nurses, sisters of charity.

This magnificent institution, conveniently situated, is the finest and best equipped institution of its kind in the Southwest, and is up-to-date in every respect.

The Pulaski County Hospital, erected at a cost of some \$30,000, is a handsome brick structure, well arranged, complete in all its equipments, and has a capacity of 200 beds.

Accidents from railways, marine patients, and the sick and injured of the city, county and state, find in these hospitals shelter, food, raiment, and that Christian attention so cheering and comforting in sickness and distress.

The inmates of these different institutions embrace all classes and conditions of people—white, colored, male, female, adults and children—and with them are found almost every form of malady, except quarantinable diseases, which are otherwise provided for.

The Isaac Folsom Clinic.

This clinic is thus designated in honor of the late Dr. Folsom, and in consideration of his liberal endowment with the sum of \$20,000.

The daily instruction in this clinic is thoroughly practical, and is attended by a large number of outdoor patients from the city and surrounding country. It embraces a wide range of diseases and injuries. More than 6,000 patients attended this clinic last year.

Methods of Teaching.

Instruction will be given by didactic and clinical lectures, practical work in the dissecting room, chemical and physiological laboratories and by daily quizzes on the subject of preceding lectures.

When the subject will admit of it, each branch will be so illustrated by means of diagrams, charts, models and instruments, as to address the understanding of the student through the medium of sight as well as hearing.

Text-Book.

The faculty recommends one or the other of the following text-books in the several departments:

Surgery—Wyeth, Da Costa, American Text-Book of Surgery, Warren & Gould, Dennis' System.

Orthopedic Surgery—Whitten, Moore.

Operative Surgery—Stimson, Zucker, Kande, Wharton.

Materia Medica and Therapeutics—Hare, Schleif, Butler, Potter, Stevens.

Theory and Practice—Anders, Thompson, Tyson, Osler.

Diagnosis—Musser, Hare, Simon, Tyson.

Anatomy—Gray, Morris, Gerrish's Text-book.

Physiology—Kirk, Stewart.

Histology—Dunham, Baum, Davidhoff & Huber.

Bacteriology—Abbot, Park, Williams, Gorhams.

Pathology—Green, Mallory & Wright, Delafield.

Chemistry—Simon's Manual of Chemistry, Rockwood's Chemical Analysis for Medical Students, Reese's Manual of Toxicology.

Obstetrics—Hirst, Jewett, Williams.

Diseases of Women—Thomas & Munde, Montgomery, Penrose, Pryor.

Diseases of Children—Holt, Tuttle, Taylor & Wells.

Diseases of Eye—Swanzy, Jackson.

Diseases of Ear, Throat and Nose—Bacon, Burnett, Coakley, Kyle.

Genito-Urinary Organs—Keyes, Morton, Taylor.

Dermatology—Jackson, Croker, Shoemaker.

Botany—Gray.

Dictionary—Dunglison, Goulds, Dorland.

Hygiene—Harrington, Bergey.

Rectum—Gant, Tuttle.

Expense of Living.

The expense of living in the city of Little Rock will, of course, vary according to the views and habits of the students. Good board, at the present time, including lodging, fuel and lights, may be had, at a convenient distance from the college, at from \$4 to \$6 per week, and from \$13 to \$18 per month.

Students on their arrival are requested to visit the University building, corner Second and Sherman Streets, where a list of persons desiring to board medical students will be found.

Persons desiring further information are requested to address the secretary of the faculty.

Requisites for Graduation.

Each candidate for graduation must produce satisfactory evidence of good moral character and of having attained the age of 21 years.

No candidate shall be eligible for final examination for graduation unless he files the proper official evidence that he has matriculated at some regular college for four sessions, and in the course of the same has attended four full courses of instruction on anatomy (including dissections), physiology, chemistry, materia medica, therapeutics, obstetrics, surgery, pathology, bacteriology, and practice of medicine. The last of the four full courses must be attended at the Medical School of the University of Arkansas. No four consecutive courses of instruction shall be held as satisfying these requirements unless the time between the beginning of the first course and the end of the fourth is greater than forty-two months. He must have paid all the college fees.

He must present to the secretary before the 1st of March the amount of his graduation fee. In case of failure to pass a satisfactory examination the money will be refunded.

Terms.

Table of Fees for Every Year of the Four-year Course:

	1ST YEAR	2D YEAR	3D YEAR	4TH YEAR
Matriculation.....	\$ 5.00			
Professors, lectures, etc.....	60.00	\$60.00	\$60.00	\$60.00
Graduation, diploma, etc.....				25.00
Total.....	\$65.00	\$60.00	\$60.00	\$85.00

There are no fees for special courses or quizzes in this college. No professor or assistant is allowed to receive a fee for instruction.

No extra charge will be made for dissecting material, demonstrator's or hospital tickets.

No variation is made, under any circumstances, from the established fees of the college, they having been placed originally at the very lowest figure commensurate with the interests of both student and college.

Alumni are requested to inform the secretary of their present post-office address, and of any change of location, in order that they may have the annual catalogue forwarded them regularly.

LAW DEPARTMENT OF THE UNIVERSITY OF ARKANSAS.

HENRY S. HARTZOG, LL. D., *President.*

Faculty.

J. H. CARMICHAEL, LL. B., DEAN.

Contracts, Equity Jurisprudence and Corporations.

JOHN FLETCHER, LL. M.,

Real Property.

GEORGE W. MURPHY, LL. B.,

Law of Evidence.

TOM M. MEHAFFY, LL. B.,

Law of Torts.

EDWARD W. WINFIELD, LL. B.,

Pleading and Practice.

JAS. F. LOUGHBOROUGH, LL. B.,

Conflict of Laws.

LEWIS RHOTON, LL. B.,

Domestic Relations.

THOS. N. ROBERTSON, LL. B.,

Agency, Commercial Paper and Judgments.

THOS. E. HELM, LL. B.,

Partnerships and Insurance.

AUGUSTUS M. FULK, LL. B.,

Criminal Law, Practice and Procedure.

Lecturers.

U. S. SENATOR JAMES P. CLARKE.

JUDGE JACOB TRIEBER.

HON. MORRIS M. COHN.

HON. JAMES M. HARROD.

HON. GEORGE B. ROSE.

Purpose.

It is not the purpose of the law department of the University of Arkansas to persuade any young man to study law who does not of his own free will choose to do so. But of all those who contemplate the study with the view of entering upon the practice of the law as a profession or for the protection and valuable assistance a knowledge of the law affords in the successful prosecution of almost every line of business enterprise, or even for the mental culture, the broad and liberal conception, the lucid and logical reasoning, the just and accurate conclusion which are so manifestly characteristic of the legally trained mind, the department respectfully solicits patronage. It is to be presumed that every true son of Arkansas who aspires to the practice of the law as a profession in this state has enough state pride to select his home institution to prepare himself for his chosen vocation. Especially should this presumption hold when the advantages afforded him by the law department of his own state University are equal, and to him, in many important particulars, superior, to those of similar institutions of other states. The instructors of this department of our state University are all active practitioners of the law. They have not engaged in this educational work with the anticipation of realizing a livelihood from its revenues, but have done so from a realization of the pressing need of such an institution as a department of the educational system of the state and to meet the demands of our young men who are the state's best hope for her future lawyers and statesmen.

Course of Instruction.

The course of instruction covers a period of two years, consisting of four terms. We deem a shorter period insufficient for the proper preparation of the student of the law for his profession. In the language of a distinguished jurist, "He who is not a good lawyer when he comes to the bar will seldom be one afterwards." Our method of instruction consists of daily recitations upon previously assigned lessons in the text-books, with special lectures to emphasize the conclusions of the author and to enlarge the student's conception of the same. We deem our system of instruction, with daily recitations largely predominating, superior to either the recitation or lecture system when pursued alone. In addition to the above, students are required to prepare and submit to the professors legal papers in the form of briefs upon the various topics of the text-writers, thus combining the abstract theory of the law with the practical application of the same to the different sets of facts embraced in the various decisions of the courts consulted by the student while preparing his paper. The course of study for the two years will embrace the subjects named and assigned, as follows:

JUNIOR YEAR.

First Term.—Contracts, Agency, Commercial Paper, Torts, Bailment.

Second Term.—Criminal Law, Evidence, Pleading, Insurance, Partnership.

SENIOR YEAR.

First Term.—Real Property, Equity, Corporations, Domestic Relations, Frauds and Fraudulent Conveyances, Sales.

Second Term.—Real Property, Judgments and Lectures upon Constitutional Limitations, Private and Public International Law, Federal Practice, Bankruptcy, Medical Jurisprudence, Legal Ethics.

The first term of both junior and senior courses begins on the third Monday in September, and ends on the 23rd of January following; the second term of each course begins on the 25th of January and ends on the first Friday in June.

Admission.

While we fully appreciate the advantages of a thorough collegiate training in the various academic branches as a preparation for the study of the law, we have not made such acquirement a prerequisite to admission to this department. Applicants will be permitted to take up the studies of the junior course who are possessed of a fair English education, such as may be acquired in our public schools. Students may be admitted to the senior course upon producing sufficient proof of their having given the necessary time and study to the different subjects of the law, either in another law school or under the direction of a practicing lawyer, but no student will be granted the degree until he has passed a satisfactory examination on all the branches embraced in the full course for the two years.

List of Text-Books.

Tiedeman on Real Property, Greenleaf on Evidence, Eaton on Equity, Clarke on Criminal Law, Anson on Contracts, Reinhard on Agency, Mechem on Elements of Partnership, Tiedeman on Bills and Notes, Clarke on Corporations, Van Zile on Bailments, Hale on Torts, Freeman on Judgments, Rogers on Domestic Relations, Tiffany on Sales, Bliss on Code Pleading, Cooley on Constitutional Law, Minor on the Conflict of Laws, Elliott on Insurance, Brandenburg on Bankruptcy, Ewell on Medical Jurisprudence, Federal Practice, and Legal Ethics.

Moot Courts.

Moot courts begin with the last term of the junior year and continue throughout the course, and are termed the judicial department of the school, and embrace all the courts—justice, probate, circuit and supreme—all modeled according to the constitutional requirements of our state.

The supreme court shall consist of three judges, a chief justice and two associates.

The circuit court shall consist of one judge, a clerk and a sheriff, to be elected by the students.

County and probate court shall consist of one judge, a sheriff, and a clerk, to be elected by the students.

Justice of the peace court shall consist of a member of the senior class, who shall be elected by the student body.

These courts shall be under the immediate supervision of the dean, who will be assisted by the members of the faculty in compiling statements of facts embracing principles of law pertaining to the respective branches under their instruction, for the use of said courts.

Goar Lyceum.

This society is composed of the students of both the junior and senior years, and meets regularly every Wednesday night during the session. The exercises consist chiefly of theses and debates embracing subjects legal in their nature. The performance of these exercises is insisted upon by the faculty, for such practice enables the student to acquire the invaluable art of learning “to think whilst on his feet,” besides giving him an easy manner of address in public speaking.

Examinations.

Written examinations are held each term in the presence of a member of the faculty.

Degrees.

The degrees of Bachelor of Laws is conferred upon all students who have passed an examination on each of the subjects embraced in the course, and have attained the average standard grade of proficiency.

Class Honors.

Honorable competition is the life of all enterprise; therefore we confer the following evidences of distinction: Upon the student attaining the highest average grade, shall be conferred the distinction of first honor man of his class; the one attaining the next highest, the second honor man; and the one making the next highest, the third honor man.

The faculty authorize the selection of three orators to deliver orations at the commencement exercises, as follows: The senior class, one; the junior class, one; and the Goar Lyceum, one.

Advantages of Location.

Each student may use the supreme court library, which contains about 20,000 volumes, including all the reports from the year books to the seventieth Arkansas. During his course of two years the student may see one session of the legislature. The supreme court is in session about nine months of the year. A federal district court and the circuit court of appeals hold a session in Little Rock each winter. Two state circuit courts are in session about nine months in the year. The student of equity has an opportunity

to observe some of its practical workings in a chancery court. Little Rock has a county and probate court, and about fourteen justices of the peace. The members of the Little Rock bar are kind and courteous to students and willing to aid them in any and every way. As Little Rock has a semi-tropical climate, it is just the place to spend a winter free from intense cold.

Professional Ethics.

While endeavoring to impart a knowledge of the fundamental principles of the law, the subject of professional ethics will be given special attention and its demands constantly impressed upon the minds of the students as indispensable to the attainment of an honorable and successful career as a lawyer.

Admission to the Bar.

By a recent act of the legislature all graduates of the law department of the University of this state are admitted to the practice of law in the supreme court and all inferior courts of the state without the requirement of an examination.

Tuition and Expenses.

Tuition.....	\$50.00 per course of one year
Tuition.....	\$100 per course of two years
Board and lodging.....	\$15 to \$20 per month
Text-books, if desired by student.....	\$50 per annum
Diploma ..	\$5.00

No library or society fees are required of students.

All communications should be addressed to the secretary.

T. N. ROBERTSON,
Little Rock, Ark.

BRANCH NORMAL COLLEGE.

Pine Bluff.

Officers of Instruction.

ISAAC FISHER, *Principal.*

Psychology, Ethics and Pedagogy.

JOHN H. MICHAEL,

Mathematics, English and Science.

WILLIAM B. CRITTENDEN,

Ancient and Modern Languages and Mathematics.

JULIA O. WRIGHT,

Geography, Arithmetic, History and Typewriting.

SADIE M. PEEBLES,

Arithmetic, History and Free-hand Drawing.

IRENA V. COLEMAN, L. I.,

Arithmetic, Algebra and History.

MATTIE I. BENSON,

Dressmaking and Music.

Department of Mechanic Arts.

B. N. WILSON, B. Sc., M. E.,

Superintendent of Mechanic Arts.

W. S. Harris,

Assistant Superintendent of Mechanic Arts.

J. L. ROSS,

Instructor in Machine and Forge Shops.

Branch Normal College Calendar, Session of 1904-1905.

Session opens Monday, September 5, 1904.

Entrance examinations, Monday, Tuesday and Wednesday,
September 5, 6 and 7, 1904.

Autumn term closes Friday, November 4, 1904.

Winter term begins Monday, November 7, 1904.

Thanksgiving Day Thursday, November 24, 1904.

Christmas holidays begin Friday, December 23, 1904; close
January 2, 1905.

Mid-year examinations begin Monday, January 23, 1905.

Washington's birthday Wednesday, February 22, 1905.

Winter term closes Tuesday, February 28, 1905.

Spring term begins Wednesday, March 1, 1905.

Spring examinations begin Monday, May 22, 1905.

Baccalaureate sermon, Sunday, June 4, 1905.

Oratorical contest for "Trustees Prize" Monday, June 5,
1905.

Commencement, Tuesday, June 6, 1905.

Alumni Association, Wednesday, June 7, 1905.

General Statement.

The Branch Normal College is a department of the University of Arkansas, established pursuant to an act of the general assembly of the state of Arkansas, approved April 25, 1873, and has been in operation since September 27, 1875. Its primary object is the training of teachers for efficient service in the colored public schools of the state.

Tuition is made free to all appointees, the only requirements for admission being suitable age and qualification, and appointment by one of the county judges, and the payment of the matriculation fee of \$5. Other students pay in addition \$1 per month in advance.

Location, Etc.

The school property consists of a beautiful tract of twenty acres of ground, in the suburbs of Pine Bluff, Jefferson County, Ark. A handsome and comfortable school building, a dormitory for girls and manual training shops, containing as complete an equipment as can be found in any similar shops in the South.

Requirements for Admission.

Candidates must be at least sixteen, if young men, and fourteen, if young women; and must pass satisfactory examinations in arithmetic, English grammar, geography and United States history.

Appointment of Beneficiaries.

By the laws of the state, the appointment of students to the Branch Normal College in numbers from each county in the state is the same as to the parent University at Fayetteville. The power is vested in the county courts, but any vacancies occurring during the vacations of the court shall be filled by the judge of the county court.

All students thus appointed are entitled to four years' free tuition upon the payment of \$5 matriculation fee, in advance at the time of entering the school.

These appointments are not transferable, and students holding them must be very careful that their conduct is not such as will lead to their forfeiture; and it may also be stated that the principal reserves the right to declare forfeited the appointments of those students who are not present at the opening of the autumn term.

Students planning to enter the school should go to their county judges for appointments, which, if received, must be brought to the college. Blanks for appointments may be secured by addressing Principal Isaac Fisher, Pine Bluff, Ark.

Normal Department.

The college offers a good course of training for those who plan to become teachers. More and more the aim will be to give scientific instruction in the matter of teaching the branches of the public schools. Arrangements have been made with the superintendent of the Pine Bluff public schools by which the student-teachers of this college may inspect the school system in actual operation. Candidates completing the work of this department will be granted the certificate of Licentiate of Instruction (L. I.). Applicants must pass a satisfactory examination in the ordinary English branches to be able to enter the school.

Classical Department.

Candidates completing this course will be granted the degree of Bachelor of Arts (A. B.) but no candidate failing to write and submit an original thesis to the teacher of English will be given this degree. The subject of this thesis must be selected in December of the senior year.

The Mechanic Arts Department.

This department offers a splendid opportunity to young colored men to become skilled blacksmiths, machinists, and engineers or firemen. The mechanic arts course and the manual training normal course are strong combinations of shop work and literary training. It is hoped that these courses will from time to time attract young men who desire to fit themselves for higher usefulness by preparing for the pursuit of those occupations for which there is a strong demand. In addition to these there is offered a course in woodworking, which comprises cabinet making, pattern making and carpentry.

Department of Dressmaking.

Young women are here given an opportunity to learn plain sewing, crocheting and art needlework. A fine outfit of sewing machines and other requisites for doing the work planned for this department comprise the equipment.

Typewriting and Stenography.

These are taught one hour each day. Shorthand classes will be formed whenever a sufficient number of students desire to pursue this study.

Military Drill.

The young men of the college have been organized into a battalion of cadets for the promotion of habits of neatness, order and punctuality; and to develop an ennobling self-control in every young man connected with the school.

Under the military system thus established, it is aimed to exercise that control of the cadets which is so essential to easy and proper discipline. All young men are subject to the drill regulations.

Physical Exercise.

An athletic association for the purpose of fostering clean athletics and at the same time giving healthful exercise, has been organized here under the direction of a member of the faculty who will see that no excesses are indulged in and that sports do not interfere with the work of the other departments.

Physical culture for young women is also a feature of the college work.

Public Rhetoricals.

Twice every month public rhetoricals are held in the chapel and all students are subject to assignment on the programs.

Religious Life.

Prayers are held in the chapel every morning except Saturdays and Sundays. All students are required to attend these devotions. On Sundays, the students who board in the town attend the various churches, while the girls living in the dormitory are taken to the churches of their several choices by members of the faculty.

Holidays.

The exercises of the college are suspended for one day at Thanksgiving, one on Washington's birthday, and about ten days at Christmas.

Lecture Course.

A course of lectures on live topics is given during the year. These are free, both to the students and to the public.

Trustees' Prize.

This prize consists of \$25, and is given to "that member of either of the two highest classes who shall during commencement week pronounce the best oration on any one of a number of subjects to be selected by the principal."

General Exercises.

The general exercises include reviews of the Sunday school lessons and of the events of the week; also music and drawing. There are regular lessons in vocal music which are given to all students. Students will frequently be required to give public evidence of their skill in using the library intelligently. All exercises must be attended faithfully.

Expenses.

For all students, entrance fee, in advance.....	\$ 5.00
Board, fuel and light, for girls in the dormitory.....	8.00
Board, fuel and light, in private families.....	\$8 to 10.00
Non-beneficiary students for tuition, per month.....	1.00

Books at usual retailers' price.

Entrance fees and board bills are payable in advance.

For further information concerning any department of the college, address the principal.

PART III.

Alumni of the College, the Normal
Department, the Medical School,
and the Law School.

GRADUATES OF THE UNIVERSITY OF ARKANSAS.

Collegiate Alumni.

- George Carl Abernathy, B. A., 1900, Lawyer, Warren, Ark.
Don C. B. Aiken, C. E., 1889, Civil Engineer.
Rathburn, Alden, B. A., 1902, Assistant Cashier, Grove Bank, Grove,
I. T.
Edna Allen, B. A., 1896, Teacher, Muscogee, I. T.
L. S. Anderson, B. L. L., 1884, Clerk in Land Office, Washington,
D. C.
J. D. Arbuckle, B. A., 1892, County Clerk, Paris, Ark.
C. F. Armistead, B. A., 1893, Captain Sixth Artillery, United States
Army, San Francisco, Cal.
L. R. Ash, B. C. E., 1893, Draftsman, Waddell & Hedrick, Kansas
City, Mo.
George H. Askew, B. A., 1898, Insurance Agent, Fayetteville, Ark.
Nancy E. Askew, B. A., 1901, Mrs. C. N. Weems, Searcy, Ark.
W. H. Askew, B. A., 1897, Lawyer, Magnolia, Ark.
W. E. Ayers, B. C. E., 1898, Chief Engineer Mississippi Valley
R. R., Osceola, Ark.
Nettie Barnett, B. L., 1876, Mrs. C. P. Boles, Fayetteville, Ark.
Ida Barr, B. S., 1896, Mrs. R. E. Bagley, Cameron, Mo.
R. B. Barton, B. Ph., 1902, Secretary, St. Francis Levee Board,
Randolph Building, Memphis, Tenn.
C. O. Bates, B. A., 1883, Professor of Chemistry, Coe College,
Cedar Rapids, Iowa.
Nora Madge Bates, B. A., 1903, School Principal, Somerville, Texas.
J. H. Bates, B. A., 1886, Lawyer, Corsicana, Texas.
J. W. Baxter, B. A., B. S., 1902, Graduate Student, University of
Arkansas.
J. D. Beakley, B. Ph., 1902, England, Ark.
Mary Beattie, B. A., 1896, Teacher, Deaf Mute School, Flint,
Michigan.
J. C. Bell, B. A., 1894, Physician, Frazier, Tenn.
M. L. Bell, B. A., 1898, Lawyer, Pine Bluff, Ark.
A. W. Bevers, B. A., 1898, Principal, Public School, Springdale, Ark.
Blanche Bibb, B. A., 1893, Mrs. G. A. Humphreys, New York.

- F. M. Billings, B. C. E., 1903, Assistant Engineer Vera Cruz and Pacific R. R., Cordoba, Mexico.
- J. W. Black, B. A., 1892, Lawyer, McAlester, I. T.
- W. I. Blackwell, B. C. E., 1892, Engineer, Golden Lake, Ark.
- J. H. Blair, B. C. E., 1899, Consulting Engineer, Kansas City, Mo.
- Nora Blakely, B. A., 1878, Mrs. H. M. Hudgins, Fayetteville, Ark.
- J. C. Blaylock, B. C. E., 1903, Assistant Engineer, with Waddell & Hedrick, Kansas City, Mo.
- *W. P. Booth, B. A., 1882.
- Alice Borden, 1877.
- J. A. Bostick, B. S., 1901, Medical Student, Little Rock, Ark.
- Laura D. Botefuhr, 1875, Mrs. G. W. Schulte.
- Preston Bowles, B. C. E., 1888, Civil Engineer, Tishomingo, I. T.
- W. E. Boyd, B. A., 1896, Lawyer, Cooper, Texas.
- Amanda Braly, B. S., 1896, Washington, D. C., U. S. Census Dept.
- Etta Braly, B. S., 1896, Mrs. Thomas McColloch, Cane Hill, Ark.
- E. H. Braly, B. A., 1894, with O. & C. C. Ry. Construction Department, Fayetteville, Ark.
- E. K. Braly, B. M. E., 1897, World's Fair Offices, St. Louis, Mo.
- O. P. Brewer, B. S., 1893, Webber's Falls, I. T.
- Hugh Brewster, B. A., 1903, Principal of Schools, Coal Hill, Ark.
- O. D. Briggs, B. A. and B. Ph., 1902, Helena World, Helena, Ark.
- A. M. Brixey, B. A., 1890, Hardware Dealer, Mounds, I. T.
- Edgar Thurman Brown, C. E., 1900, First Assistant Division Engineer, B. & O. R. R., Pittsburg, Pa.
- F. I. Brown, B. M. E., 1902, Illinois Steel Co., Chicago, Ill.
- H. S. Brown, M. E., 1901, Student, Cornell University, Ithaca, N. Y.
- W. D. Brown, B. A., 1882, Physician, Newtonia, Mo.
- L. B. Bryan, B. C. E., 1903, Instructor in Civil Engineering, University of Arkansas.
- H. E. Buchanan, B. A., 1902, Professor of Mathematics, Military School, Kentucky.
- H. M. Butler, B. A., 1879.
- J. L. Campbell, B. A., 1897, Traveling Salesman, Greenwood, Ark.
- *E. B. Carden, B. L., 1877.
- *Ella Carnall, A. M., 1881.
- A. H. Carrigan, B. A., 1882, Lawyer, Wichita Falls, Tex.

- Ann E. Carson, 1875, Mrs. John Knight, Jonesboro, Ark.
Augusta O. Carson, 1875, Mrs. T. W. Cline, Downey, Cal.
W. W. Cartwright, B. A., B. S., 1903, Fruit Grower, Mountain View, Ark.
C. K. Chanslor, B. A., 1882, Cashier, Farmers' and Merchants' Bank, Cassville, Mo.
W. R. Cherry, B. A., 1882.
W. Clancy, Jr., B. C. E., 1902, Mining Engineer, Butte, Mont.
Elbert Clark, B. A., 1903, Bookkeeper, Waldo, Ark.
V. H. Cochrane, B. C. E., 1901, Chief Draftsman, Waddell & Hedrick, Kansas City, Mo.
J. T. Collier, B. A., 1901, Principal of Schools, Charleston, Ark.
Sydney Connelly, B. A., 1900, Farmer, Poplar Grove, Ark.
Jessie Cravens, B. L. L., 1883, Mrs. O. L. Cravens, Neosho, Mo.
W. A. Crawford, B. A., 1901, Superintendent of Schools, Arkadelphia, Ark.
A. B. Crozier, B. E. E., 1897, Electrical Engineer, S. & S. Packing Co., New York.
Elizabeth E. Crozier, B. A., 1903, Dutch Mills, Ark.
Wm. N. Crozier, B. A., 1888, Clergyman, Conway, Mo.
R. N. Cummings, B. A., 1898, Medical Student, Denver, Col.
Lula Curry, B. S., 1892, Mrs. G. L. Teller, Chicago, Ill.
Mike Danaher, B. A., 1888, Lawyer, Pine Bluff, Ark.
H. T. Daniels, B. C. E., 1903, with Norfolk & Western Ry. Co., Little Rock, Ark.
Hadgie B. Davies, B. A., 1893, Adjunct Professor of English and Modern Languages, University of Arkansas.
Lila Davies, B. A., 1896, Mrs. Claude Head, Texarkana, Ark.
F. H. Davis, B. C. E., 1903, Hydrographer, Mississippi River Commission, Memphis, Tenn.
J. H. Davis, B. E. E., 1901, Electrical Engineer, Altoona, Pa.
B. F. Davis, B. A. and B. S., 1901, Benton County, Ark.
Lizzie P. Davis, 1875, Mrs. R. C. Brown, Florence, Ariz.
Ruth Anne Dickinson, B. A., 1900, Mrs. Elliott Berry, Bentonville, Ark.
Thomas Tiller Dickinson, B. A., 1900, Lawyer, Little Rock, Ark.
W. E. Dixon, B. A., 1888, Teacher, Waldo, Ark.

C. H. Drake, B. C. E., 1891, and C. E., 1894, Engineer, Helena, Ark.

N. F. Drake, B. C. E., 1896, Consulting Geologist, Tien-tsin, China.

C. J. Drees, B. E. E., 1896, Member of Arkansas Electric Manufacturing Co., Little Rock, Ark.

G. W. Droke, A. M., 1880, Professor of Mathematics, University of Arkansas.

Leila Ruth Drake, B. A., 1903, High School Teacher, Springdale, Ark.

W. H. Duncan, B. L. L., 1884, Lawyer, Conway, Ark.

Mallie Dyer, B. A., 1894, Professor of English and German, Florida State College, Tallahassee, Fla.

Clara Earle, B. A., 1896, Professor of English, Cumberland University, Lebanon, Tenn.

*W. L. Edmiston, B. L. L., 1884.

Amanda A. Eld, B. A., 1898, Teacher, Tuskahoma, I. T.

C. J. Eld, B. C. E., 1896, Engineer, American Water Works & Guaranty Co., St. Joseph, Mo.

George W. Eld, B. M. E., 1900, Engineer, with Armour Packing Co., St. Joseph, Mo.

F. W. Ellis, B. A., 1881, Lieutenant U. S. Army, Fayetteville, Ark.

J. R. Ellis, B. E. E., 1903, Bluff City Lumber Co., Pine Bluff, Ark.

W. Y. Ellis, B. E. E., 1902, with Pine Bluff Electric Light Co., Pine Bluff, Ark.

W. W. England, B. A., 1883.

A. T. Erwin, B. S., 1901, Assistant Professor of Horticulture, State Agricultural College, Ames, Ia.

*C. R. Filmore, B. S., 1899.

L. F. Fishback, B. S., 1889, Lawyer, Alvin, Tex.

J. C. Floyd, B. A., 1879, Lawyer, Yellville, Ark.

W. M. Flynn, B. A., 1888, Teacher, Kennedale, Texas.

W. A. Freeman, B. A. and B. S., 1901, Teacher in the Philippine Islands.

Rowena M. Gallaway, B. A., 1902, Teacher, Presbyterian College, Milford, Tex.

J. R. Gannaway, B. A., 1890, Lawyer, Member of Legislature, Warren, Ark.

*Deceased.

- D. A. Gates, B. A., 1884, County Judge Desha County, Arkansas City, Ark.
- F. I. Gibson, B. S., 1902, Chemist, Ferro-Steel Co., Cleveland, O.
- J. E. Gibson, B. M. E., 1894, Engineer, American Pipe & Manufacturing Co., Philadelphia, Pa.
- W. P. Goodwin, B. L. L., 1884, Lawyer, Warren, Ark.
- Belle E. Gordon, B. A., 1876, Librarian, Chicago, Ill.
- W. D. Gray, B. A., 1900, Teacher, Military School, New York.
- C. D. Greaves, B. A., 1883, Lawyer, Hot Springs, Ark.
- *Alfred W. Gregg, B. A., 1876.
- Andrew S. Gregg, B. A., 1878, Physician, Fayetteville, Ark.
- L. W. Gregg, B. A., 1882, Lawyer, Fayetteville, Ark.
- C. E. Hall, B. C. E., 1893, D. & R. Ry., Dardanelle, Ark.
- H. J. Hall, B. A., 1894, Editor, Waldron, Ark.
- W. J. Hamilton, B. A., 1892, Principal of Public Schools, Huntington, Ark.
- Lena J. Hardin, B. A., 1902, Teacher, Texarkana, Ark.
- Nina V. Hardin, B. A., 1902, Student, U. of A. Medical Department, Little Rock, Ark.
- Agnes Harris, B. A., 1876, Mrs. W. T. Johnson, 3560 North Broadway, Kansas City, Mo.
- Sara F. Harris, B. A., 1876, Mrs. C. P. Conrad, 3560 North Broadway, Kansas City, Mo.
- W. M. Harris, B. A., 1903, Law Student, Columbia University, New York City.
- *Grace Harrison, B. S., 1889, Mrs. T. L. Brown.
- J. H. Harrod, B. A., 1879, Lawyer, Little Rock, Ark.
- J. C. Hart, B. A., 1885, Chancellor, Little Rock, Ark.
- J. T. Hawkins, 1879, Physician, Mount Holly, Ark.
- J. D. Head, B. A., 1894, Lawyer, Columbia, Ark.
- J. A. Heberly, B. S., 1893, Chemist, Germany.
- I. G. Hedrick, C. E., 1892, Firm of Waddell & Hedrick, Consulting Engineers, Kansas City, Mo.
- G. D. Henderson, B. A., 1901, Law Student, Little Rock, Ark.
- W. Rhodes Hervey, B. S., 1890, Lawyer, Los Angeles, Cal.
- E. W. Hillis, B. L. L., 1884, Lawyer, Jonesboro, Ark.
- *J. H. Hobbs, B. A., 1888.

*Deceased.

- W. D. Hobbs, B. A. and B. S., 1901, Teacher in Philippine Islands.
 Daniel Hon, B. A., 1882, Lawyer, Waldron, Ark.
 Cener Holcomb, B. A., 1892, Mrs. E. F. Ellis, Springdale, Ark.
 Jobelle Holcomb, B. A., 1898, Teacher, Clarksville, Ark.
 F. W. Holt, B. A., 1903, Assistant Paymaster U. S. Army, Bellefonte, Arkansas.
 A. M. Honnett, B. E. E., 1903, Electrical Engineer, Laclede Gas Co., St. Louis, Mo.
 John Lyford Hornor, B. A., 1900, Lawyer, Helena, Ark.
 Frank Horsfall, B. S., 1900, Missouri State Fruit Experiment Station, Mountain Grove, Mo.
 S. A. Horton, B. A., 1891, Lawyer, Fairview, Ark.
 Edward Howell, B. A., 1901, Teacher, Southwest Virginia Institute, Bristol, Va.
 J. W. Howell, B. S., 1897, First Lieutenant, 4th Infantry, U. S. Army.
 W. H. Hudgins, B. C. E., 1901, Assistant Engineer, Midland Valley Ry., Bokoshe, I. T.
 J. H. Hudson, B. L. L., 1884, Farmer, Dardanelle, Ark.
 R. W. Huie, Jr., B. A., 1899, Banker, Arkadelphia, Ark.
 G. A. Humphreys B. A., 1890, Physician, New York City.
 Edgar Jennings, B. A., 1877.
 Gustave Jones, B. L. L., 1882, Lawyer, Newport, Ark.
 Albert P. Johnson, B. A., 1876, Lawyer, Winfield, Kansas.
 *T. M. Johnson, B. L. L., 1880.
 G. H. Kimball, B. C. E., 1892, Engineer, Superintendent Public Works, Little Rock, Ark.
 Artelle Alice King, B. L. L., 1880, Mrs. J. C. Belt, Broken, I. T.
 E. B. Kinsworthy, B. L. L., 1885, ex-Attorney-General of the State of Arkansas; Lawyer, Little Rock, Ark.
 F. B. Kirby, B. A., 1899, Medical Student, Washington University, St. Louis, Mo.
 T. B. Kitchens, A. M., 1880, Banker, Paragould, Ark.
 Ella Lake, B. L. L., 1884, Mrs. S. W. Barnett, Fayetteville, Ark.
 W. H. Langford, B. A., 1880, Banker, Pine Bluff, Ark.; Member of Board of Trustees, University of Arkansas.

*Deceased.

- R. S. Lander, B. C. E., 1902, Division Engineer, Missouri Pacific R. R., Ferguson, Ark.
- J. A. Lanier, B. A., 1882.
- Abbie Leverett, B. A., 1894, Mrs. John H. Taff, Shafter, Tex.
- Mary Leverett, B. A., 1886, Mrs. J. A. Taff, Washington, D. C.
- Rose C. Leverett, B. A., 1897, Mrs. T. A. Edwards, Cordell, Okla.
- D. B. Lipsey, B. S., 1896, Bookkeeper, Bank of Fayetteville, Fayetteville, Ark.
- J. L. Longino, B. E. E., B. M. E., 1903, Electrical and Mechanical Engineer, St. Louis, Mo.
- S. E. Marrs, B. A., 1879, Editor of the Democrat, Fayetteville, Ark.
- J. C. Marshall, M. A., 1879, Lawyer, Little Rock, Ark.
- Mack Martin, M. E., 1891, Mechanical Engineer, 3130 High Street, Denver, Col.
- Pearl Martin, B. S., 1893, Teacher, Fayetteville, Ark.
- Collin Massie, B. A., 1877, Salesman, Fayetteville Ark.
- J. E. Martineau, B. A., 1896, Lawyer, Member of Arkansas Legislature, Little Rock, Ark.
- J. F. Mayes, B. A., 1883, Lumber Dealer, Fayetteville, Ark.
- W. Ross McCain, M. A., 1898, Lawyer, Little Rock, Ark.
- J. L. McConnell, B. C. E., 1902, with Waddell & Hedrick, Kansas City, Mo.
- J. B. McDonough, B. A., 1882, Read & McDonough, Attorneys, Fort Smith, Ark.
- W. R. McFarlane, B. A., 1882, Lawyer, Greenwood, Ark.
- Charles F. McKinney, 1875, firm of Ferguson-McKinney Dry Goods Co., St. Louis, Mo.
- J. C. McNeely, B. C. E., 1889, Planter, Rackensack, Ark.
- Dana A. McNeill, B. M. E., 1897, Superintendent of Factory, Salem, Ohio.
- C. McRae, B. C. E., 1901, Levelman, U. S. Geological Survey, Washington, D. C.
- Elmer Daniel Means, B. A., 1900, Teacher, Paris, Ark.
- W. M. Mellette, B. L., 1877, Mellette & Smith, Attorneys, Vinita, I. T.
- Hattie C. Melton, B. A., 1903, Governess, Scott, Ark.
- Mai Middleton, B. A., 1886, Mrs. R. Chasteen, Pawnee, Okla.
- R. J. Middleton, B. C. E., 1903, Draftsman with Waddell & Hedrick, Kansas City, Mo.

- S. A. Mitchell, B. A., 1903, Law Student, University of Michigan, Ann Arbor, Mich.
- H. P. Mobberly, B. C. E., 1894, Civil Engineer, Southern Pacific Railroad, Natchez, Miss.
- E. L. Mock, B. A., 1894, with Wm. D. Cleveland & Son, Cotton Merchants, Houston, Texas.
- Lucy B. Mock, B. A., 1894, Fayetteville, Ark.
- B. L. Moore, B. A., 1900, Law Student, Van Buren, Ark.
- J. F. Moore, B. S., 1893, Chemist, Arkansas Experimental Station, Fayetteville, Ark.
- J. H. Moore, B. S., 1893, Chemist, Mathieson, Alkali Chemical Company, Saltville, Va.
- J. I. Moore, B. A., Lawyer, Helena, Ark.; Speaker, House of Representatives.
- J. I. Moore, B. M. E., Draftsman, Westinghouse Manufacturing Co., Pittsburg, Pa.
- Lucy J. Moore, 1875, Mrs. J. G. Ross, Fayetteville, Ark.
- D. C. Mooring, M. S., 1903, Instructor in Horticulture, Washington Agricultural and Mechanical College, Pullman, Wash.
- D. C. Morrow, B. E. E., 1897, Engineer, Eureka Springs, Ark.
- Mattie W. Morrow, B. S., 1890, Mrs. J. Wilson, Fayetteville, Ark.
- *Sara Mulholland, B. A., 1886, Mrs. J. F. Mayes, Fayetteville, Ark.
- J. F. Muller, B. M. E., 1903, Student, Cornell University, Ithaca, N. Y.
- Leo J. Mundt, B. A., and B. S., 1901, Helena, Ark.
- A. J. Myar, B. C. E., 1896, Engineer with St. Louis Bridge & Iron Co., St. Louis, Mo.
- W. H. Neal, B. L., 1876, Lawyer, Van Buren, Ark.
- A. J. Newman, B. A., 1891, Lawyer, Little Rock, Ark.
- L. L. Newman, B. E. E., 1901, Electrical Engineering Department, Pennsylvania Ry. Co., Altoona, Pa.
- George Nichols, B. A., 1898, Journalist, Denver, Colo.
- E. P. Notrebe, 1885, Physician, Kansas City, Mo.
- T. F. Oats, B. A., 1892, Physician, Mexia, Texas.
- Ora Obenshain, B. S., 1889, Teacher in Public Schools, Eureka Springs, Ark.

*Deceased.

Charles Hector Orto, B. A., 1900, with Pulaski Trust Co., Little Rock, Ark.

Ida Pace, B. A., 1888, Mrs. A. H. Purdue, Fayetteville, Ark.

Daisy B. Patterson, B. A., 1899, Teacher, Galloway College, Searcy, Ark.

C. C. Patton, B. A., 1891, Lawyer, Hillsboro, Ohio.

L. Alice Patton, A. M., 1879, Teacher, Prairie Grove, Ark.

Mattie J. Patton, B. L. L., 1880, Mrs. Chas. Jenkins, Denver, Col.

Thos. A. Pettigrew, A. M., 1878, Lawyer, Charleston, Ark.

Harry Pharr, B. C. E., 1893, C. E., 1900, Chief Engineer St. Francis Levee Board, Southern Express Building, Memphis, Tenn.

J. S. Pharr, B. A., 1892, Assistant Engineer St. Francis Levee Board, Southern Express Building, Memphis, Tenn.

R. E. Philbeck, B. A., 1900, Instructor, Preparatory Department, University of Arkansas.

J. W. Pickel, B. A., 1882, Physician for Crystal Plate Glass Company, Crystal City, Mo.

R. T. Pitman, B. S., 1894, Chemist, Sloss Iron & Steel Company, Birmingham, Ala.

*Alice Polson, B. S., 1888, Mrs. W. C. Hutchinson.

W. W. Powell, B. A., 1888, Lawyer, Batesville, Ark.

C. G. Price, B. A., 1898, Bookkeeper for Yowell & Williams, Little Rock, Ark.

W. E. Pruett, B. C. E., 1897, Assistant Engineer, Drainage Canal, Chicago, Ill.

Lizzie Purdy, B. S., 1900, Mrs. George Darden, Carey, Miss.

Anna Putman, M. A., 1875, Mrs. Chas. M. King, Greenwood, Ark.

W. H. Rattenbury, B. A., 1900, City Salesman, Little Rock, Ark.

J. L. Redus, B. A., 1896, Lead Hill, Ark.

G. W. M. Reed, Jr., B. L. L., 1884, Census Office, Washington, D. C.

Lina X. Reed, B. A., 1881, Teacher, Fayetteville, Ark.

*Maggie Reed, B. A., 1878, Mrs. Presley Crawford.

O. S. Rieff, B. A., 1881, Lawyer, Little Rock, Ark.

W. B. Rife, B. A., 1903, High School Principal, Ben Lomond, Ark.

P. A. Rodgers, B. A., 1892, Farmer, Gravett, Ark.

H. L. Ross, B. A., 1901, Student Theological Seminary, Richmond, Va.

*Deceased.

- Lucy I. Ross, B. A., 1901, Teacher, Prairie Grove, Ark.
 W. A. Ross, B. A., 1898, Minister, Fort Smith, Ark.
 *Z. C. Ross, A. B., 1880.
 W. A. Ruggles, B. E. E., 1903, Electrical Engineer, Pennsylvania, Railroad Co., Altoona, Pa.
 Lawrence Russell, A. B., 1880, Lawyer, Russellville, Ark.
 C. L. Sadler, B. C. E., 1901, Topographer, U. S. Geological Survey, Washington, D. C.
 C. F. Sanders, B. A., 1899, Principal Whittington School, Hot Springs, Ark.
 T. E. Sanders, B. S. and B. Ph., 1901, Hot Springs, Ark.
 R. L. Saxon, B. A., 1903, Medical Student, University of Tennessee, Nashville, Tenn.
 G. C. Schoff, B. C. E., 1888, Civil Engineer, Babcock-Wilcox Co., Philadelphia, Pa.
 T. D. Sedwick, B. A. and B. S., Chemist, Stover Manufacturing Company, Freeport, Ill.
 G. C. Shell, B. L. L., 1882, Lawyer, Lake Village, Ark.
 A. W. Shreve, B. C. E., 1891, County Surveyor, Washington County, Farmington, Ark.
 H. B. Shreve, B. C. E., 1891, Beulah, Colo.
 *W. D. Simms, B. L., 1877.
 *Alice Simmons, B. S., 1896 Mrs. A. V. Smith.
 G. V. Skelton, B. C. E., 1891, C. E., 1895, Professor of Mathematics, Agricultural College, Corvallis, Oregon.
 J. E. Skelton, B. S., 1897, Chemist, Roane Steel & Iron Company, Rockwood, Tenn.
 Ida Slagle, B. A., 1889, Mrs. W. J. Gilbreath, Kansas City, Mo.
 Chester Collins Sloan, B. S., 1900, Medical Student, University of Pennsylvania.
 A. V. Smith, B. A., 1898, Teacher in the Philippines.
 C. D. Smith, B. A., 1902, Field Assistant, Arkansas Mineral Exhibit, World's Fair.
 Fannie Marie Smith, B. A., 1901, El Dorado, Ark.
 E. L. Spencer, B. A., 1898, Graduate Student, Stanford University, Cal.
 J. P. Streepey, B. A., 1903, Public School Teacher, Lonoke, Ark.
 Henry Stroup, B. A., 1883, Lawyer, Paris, Ark.; Member of the Board of Trustees of the University of Arkansas.

*Deceased.

- Dennie Tee Stubblefield, B. A., 1901, Colorado Springs, Colo.
G. Stubblefield, B. C. E., 1902, Topographer, U. S. Geological Survey, Washington, D. C.
Mabel Sutton, B. A., 1902, Graduate Student, University of Arkansas.
Wm. S. Sutton, A. M., 1878, Professor of Pedagogy, University of Texas.
*Albert Taff, B. C. E., 1890.
J. L. Taff, B. A., 1884, Teachers' Agency, Austin, Texas.
Mary Taff, B. A., 1889, Mrs. G. V. Skelton, Corvallis, Oregon.
Lou Taliaferro, B. L. L., 1883, Stenographer, Kansas City, Mo.
E. L. Taylor, B. L., 1876, Lawyer, Bentonville, Ark.
Daniel Webster Taylor, B. A., 1900, Bookkeeper, Pine Bluff, Ark.
Rupert Taylor, B. A., 1903, School Principal, Texarkana, Texas.
C. V. Teague, B. A., 1879, Lawyer, Hot Springs, Ark.
Annie Cyna Thomason, B. A., 1900, Mrs. C. L. Dunlap, Fayetteville, Ark.
B. J. Tillar, B. A., 1886, Capitalist, Fort Worth, Texas.
J. N. Tillman, B. L. L., 1880, Circuit Judge, Fayetteville, Ark.
George Franklin Towler, B. A., 1900, Law Student, Little Rock, Ark.
Theo. C. Treadway, B. E. E., 1901, Adjunct Professor of Mechanical Engineering, University of Arkansas.
William A. Treadway, B. M. E., E. E., 1901, Instructor in Electrical Engineering, University of Arkansas.
Lee Treadwell, C. E., 1888, Engineer with John Pierce, Contractor, U. S. Navy Yard, Portsmouth, N. H.
S. C. Treadwell, B. A., 1894, Lawyer, Tishomingo, I. T.
Chas. H. Triplett, B. A., 1901, in business, Pine Bluff, Ark.
A. M. Vance, B. C. E., 1893, Engineer Missouri Pacific Railroad, Carthage, Mo.
James Vandeventer, B. S., 1893, U. S. Army.
George Vaughan, B. A., 1896, Lawyer, Lockesburg, Ark.
Julia Vaulx, B. A., 1892, Professor of English, Coe College, Cedar Rapids, Iowa.
Katherine D. Vaulx, B. A., 1897, Teacher, Palm Beach, Florida.
S. F. Vaulx, B. A., 1892, Bookkeeper, Bluff City Lumber Company, Pine Bluff, Ark.

*Deceased.

- Annie Waggener, B. L., 1877, Mrs. Marcus, Cincinnati, Ark.
 W. J. Waggener, A. M., 1876, Professor of Natural Philosophy,
 University of Colorado, Boulder, Colo.
 J. V. Walker, B. A., 1877, Lawyer, Fayetteville, Ark.
 C. A. Watson, B. A., 1877, Teacher, Fayetteville, Ark.
 J. J. Watson, B. A., 1881, Teacher, Stockton, Cal.
 G. A. Warren, B. L., 1888, Physician, Black Rock, Ark.
 A. W. Wasson, 1902, Theological Student, Vanderbilt University,
 Nashville, Tenn.
 Olive S. Webster, B. A., 1901, Marvell, Ark.
 J. N. Wheeler, B. A., 1890, Capitalist, Warren, Ark.
 C. N. Weems, B. A., 1899, Professor, Galloway College, Searcy, Ark.
 Pearle Wiley, B. S., 1902, Teacher of Science, Galloway College,
 Searcy, Ark.
 Winona May Wiley, B. A., 1899, Teacher, Little Rock, Ark.
 W. N. Wilkinson, B. A., 1901, Charleston, Ark.
 Hattie Williams, B. A., 1898, Teacher, Texarkana, Ark.
 Jennie Williams, B. A., 1896, Teacher, Harrison, Ark.
 Naomi J. Williams, M. A., 1880, Instructor in the Preparatory
 Department, University of Arkansas, Fayetteville, Ark.
 *R. H. Willis, B. A., 1888, Ph. D., 1896.
 H. H. Wilson, B. E. E., 1901, Electrical Engineer, Pennsylvania Ry.,
 Altoona, Pa.
 J. P. Womack, B. A., 1903, School Principal, Stephens, Ark.
 A. C. Wood, B. M. E., 1892, Engineer, Philadelphia, Pa.
 B. F. Wood, B. E. E., 1893, Assistant Engineer, Pennsylvania Ry.,
 Altoona, Pa.
 C. D. Wood, B. A., 1879, Associate Justice, Supreme Court of
 Arkansas.
 Guy B. Wood, B. A., 1899, Kansas City Southern Railway Office,
 Texarkana, Ark.
 W. H. Woodall, B. A., 1885, Principal Female College, Lake City,
 Fla.
 C. D. Woolverton, B. L. L., 1885, Teacher, Center Ridge, Ark.
 Daisy Young, B. A., 1900, Teacher, Gentry Academy, Gentry, Ark.

*Deceased.

NOTE.—The President will be pleased to receive information as to the address and occupation of those alumni for whom these data are wanting. The alumni are especially requested to give notice of any omission or errors in the foregoing list or any changes made during the ensuing year.

U. of A.—8.

COLLEGIATE ALUMNI ASSOCIATION.

The object of this association is to maintain the interest of the graduates in the institution and bring them into a closer relation with the University. To this end all graduates are regarded as members. The association holds annually a meeting and a banquet at some time during Commencement week. The officers are as follows:

J. D. ARBUCKLE, 1892. President.

G. A. WARREN, 1888. Vice President.

HATTIE WILLIAMS, 1898. Secretary.

IDA PACE PURDUE, 1888. Treasurer.

Executive Committee: R. E. Philbeck, 1900; Miss H. B. Davies, 1893; J. W. Baxter, 1902.

***NORMAL GRADUATES.**

1887.

Hubert J. Hall.....Fayetteville, Ark.
J. H. Taff.....Waldron, Ark.

1888.

J. W. Southerland.....Hindsville, Ark.

1890.

Irene Gallaway.....Fayetteville, Ark.
C. Holcomb.....Clarendon, Ark.

1891.

J. W. Hamilton.....Hartford, Ark.

1897.

Mattie Williams.....Fayetteville, Ark.

*NOTE.—This is only a partial list of the normal graduates as no complete record has been kept from year to year. The addresses are taken from old University catalogues. We ask the graduates from this department to help to complete the list and correct the addresses. Address Prof. W. S. Johnson, Fayetteville, Ark.

1898.

Miggie Ellis.....Fayetteville, Ark.

1899.

Maud Easterly.....Fayetteville, Ark.

W. D. Hobbs.....Bentonville, Ark.

Lula C. Morrow.....Fayetteville, Ark.

Demie T. Stubblefield.....Fayetteville, Ark.

1900.

J. E. Johnston.....New Lewisville, Ark.

N. D. Kimbrough.....Dutch Mills, Ark

1901.

W. O. Wilson.....Student U. of A.

1902.

Lena Jeane Hardin.....Fayetteville, Ark.

Charles X. Williams.....Student U. of A.

Joseph P. Womack.....Stephens, Ark.

1903.

W. W. Cartwright.....Mountain View, Ark.

Flora L. Clark.....Mena, Ark.

Mary E. Cole.....Student U. of A.

Rufus J. Nelson.....Student U. of A.

W. J. Peterson.....Paris, Ark.

J. P. Streepy.....Lonoke, Ark.

J. R. Wilson.....Student U. of A.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS FROM 1880 TO 1903.

NAME	STATE	YEAR
Adams, Joseph G.	Arkansas	1890
Agerton, George Green	"	1888
Allen, James Genoce	"	1891
Allen, Samuel W.	"	1882
Anderson, Charles C.	"	1900
Armstrong, John C.	Texas	1893
Armstrong, N. E.	Arkansas	1902
Bailey, Walter E.	"	1895
Baker, Robert L.	Missouri	* 1892
Baker, William Pitt	Arkansas	1891
Baker, James E.	"	1893
Barnett, John J.	"	1893
Basham, John P.	"	1883
Basham, Olin	"	1885
Baugh, William F.	"	1885
Baum, Frank	"	1891
Bennett, Alfred	"	1887
Bennett, Burrell L.	"	1892
Bennett, William H.	"	1895
Bentley, Carle E.	"	1895
Beakley, Napoleon B.	"	1893
Black, Evan M.	"	1901
Blakely, John P.	"	1893
Blakely Thomas B.	"	1883
Blackburn, Thomas W.	"	1882
Bogart, J. A.	"	1902
Bond, Sterling Price*	"	1886
Bonham, Samuel S.	"	1895
Bond, Thomas J.	Indian Territory	1895
Bradley, Benjamin R.	Arkansas	1889
Bristow, Jesse E.	Indian Territory	1894
Brown, John Frederick	Arkansas	1891
Brumfield, Richard S.	Missouri	1891
Bryan, Silas A.	Arkansas	1886
Bryan, William T.	"	1884
Buckner, Rufus G.	North Carolina	1897
Buckner, Thomas J.	Texas	1892
Bunn, Dudley B.*	Arkansas	1881
Burgess, Sidney C.	"	1886
Bush, Francis D.	Indian Territory	1888
Butler, John L.	Arkansas	1894
Butler, Samuel S.	"	1901
Butler, William R.	Texas	1901
Campbell, Floyd S.*	Arkansas	1892
Cantrell, Chas. E.	"	1893
Cantrell, Will W.	Texas	1897
Carden, James D.	Arkansas	1894
Carey, Anger B.	"	1888
Carroll, Daniel C.	"	1881
Carver, Cluylburn R.	Texas	1898
Chamness, Gilbert C. T.*	Arkansas	1886
Chastain, Charles H.	"	1900
Chenault, John C.	"	1895
Chenault, Richard	"	1887
Childers, Johnathan M.	"	1901

*Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS
FROM 1880 TO 1903.

NAME	STATE	YEAR
Clancey, Thomas J.*	Arkansas	1897
Clark, Charles D.	"	1898
Clark, William I. A.	"	1897
Clayton, James L.	Louisiana	1891
Cline, Isaac M., A. M.	Tennessee	1885
Clingan, A. J.	Arkansas	1902
Collins, Fred A.	"	1893
Coors, George A.	"	1886
Cook, Louis A.	"	1895
Cureton, Hugh E.	"	1895
Daly, J. M.	"	1897
Damron, Alonzo L.	"	1901
Daugherty, James	Texas	1897
Davenport, Robert G.	"	1893
Davis, William A.	Arkansas	1884
Dibrell, Edwin R.	"	1882
Dibrell, John R.	"	1900
Dibrell, Matt S.	"	1889
Dickinson, George L.	"	1892
Dillard, Bee A.	Louisiana	1896
Driver, John H.	Arkansas	1884
Duncan, Lorenzo D.	"	1897
Dunman, Gonzalas	"	1900
Dunnahoo, Benjamin S.	"	1888
Durham, George W.	Texas	1892
Eaves, James B.	Arkansas	1886
Eddy, J. D.	"	1902
Edwards, D. H.	"	1902
Elam, George F.	"	1894
Elliott, George T.	Texas	1896
Eubanks, Felix G.	Arkansas	1887
Evans, David C.	"	1896
Evans, William P.*	"	1887
Fike, William T.	"	1896
Fisher, Daniel N.	"	1896
Fletcher, Thomas M.	"	1889
Foster, John R.	South Carolina	1896
Fowler, William R.	Arkansas	1890
Freeman, William D.	"	1899
French Frank L.	"	1882
Gannaway, Columbus E.	"	1896
Gatlin, Eugene N.	"	1889
George, Isaac M.	"	1881
Gipson, Thomas J.	"	1889
Gladden, Roger Burns	"	1888
Graham, Andrew J.	"	1881
Graham, James F.	"	1887
Greene, Edwin P.	Indian Territory	1900
Griffin, John L.	Arkansas	1893
Guthrie, Adam, Jr.	"	1893
Haizlip, Numa A.	North Carolina	1901
Hale, W.	Texas	1892
Hamilton, Andrew J.	Arkansas	1893
Hancock, John I.*	"	1893
Harkey, Reuben	"	1886

*Deceased.

**ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS
FROM 1880 TO 1903.**

NAME	STATE	YEAR
Harkey, William I.	Arkansas	1893
Harkness, John H.	"	1881
Harris, Larkin L.	"	1891
Harrison, Andrew J.	"	1901
Harrison, Mark W.	Indian Territory	1898
Harrolson, William H.*	Arkansas	1881
Hart, Thomas C.	"	1891
Hartsell, John S.	"	1888
Hays, Percy C.	"	1901
Haiman, Henry.	"	1892
Herring, Robert G.	"	1901
Herrod, Willis L.	"	1891
Heron, Alfred W.	"	1891
Higgs, Archie K.	"	1891
Higgs, James Coffield*	"	1890
Hill, Benjamin Levin	"	1887
Hill, Israel.	Indian Territory	1898
Hippolite, Fred A.	Arkansas	1891
Hodges, Thomas E.	"	1888
Hornbarger, William J.	"	1884
Hughes, William B.	"	1889
Hunt, William R.	"	1889
Hurley, Charles E.	"	1892
Illing, William P.	"	1889
Jackson, James Henry	"	1891
Jackson, Norborn H.	"	1881
Jackson, Norborn H., Jr.	"	1901
Jackson, William J.	"	1889
Jacobs, Jessie J.	"	1898
James, Edward D.	"	1901
Jeffery, Theodore E.	"	1898
Jennings, Orville.	"	1897
Johnson, Victor M.	"	1896
Jones, Isaac Garrett	"	1889
Jones, William E.	"	1896
Joyner, William T.	"	1889
Kelly, Edward L.	"	1896
Kelly John L.	Louisiana	1898
Kelley, Warren	Arkansas	1897
Kerley, William W.	"	1898
Key, Wesley F.	Texas.	1885
Kimberlin, John C.	Arkansas	1897
King, Jacob H. C.	"	1889
Knox, Benson	Texas	1886
Kelb, James Silas	Arkansas	1892
Krueger, E.	"	1902
Lantorn, Zachary J.	"	1885
Laster, James D.*	"	1886
Lane, Edward C.	"	1896
Lay, Shelby	"	1898
Layne, Edward R.	"	1888
Lee, Richard H.*	"	1885
Lewis, G. W.	"	1992
Lindsey, C. W.	"	1901
Lindsey, James H.	"	1884

* Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS
FROM 1880 TO 1903.

NAME	STATE	YEAR
Lindsey, William S., Jr.	Arkansas	1884
Lively, William M.	"	1892
Liverman, James R.	Texas	1900
Long, William J.	Arkansas	1897
Love, Jerome D.	"	1894
Luther, Joel E.	"	1897
McBride, Geo. A.	"	1889
McClain, M. D.	"	1902
McConnell, John W.	"	1884
McCurry, Louis E.	"	1890
McDonald, Andrew J.	"	1901
McKelvey, Aaron A.	"	1894
Madole, Berry W.	Kentucky	1898
Mashburne, Thomas R.*	Arkansas	1893
Mason, George K.	"	1890
Mason, Jefferson McL.	Texas	1888
Mathews, Joseph H.	Arkansas	1893
Matlock, George S.	"	1900
Maxwell, Isaac L.	Texas	1886
Meeks Edward D.	Arkansas	1893
Mickel, Frederick A.	"	1893
Miller, Jacob T.	"	1889
Miller, Samuel E.	"	1891
Miller, William H.	"	1888
Mintern, Horatio F.	New York	1899
Moeur, Benjamin B.	Texas	1896
Moeur, John K.*	"	1894
Moncrief, Joseph J.	Alabama	1897
Montgomery, Henry L.	Arkansas	1894
Morden, James G.*	"	1886
Moreland, L. B.	"	1898
Morrow, John J.	"	1889
Munn, Jesse B.	"	1899
Murray, John V.	"	1886
Nail, Charles C.	"	1889
Nichols, Marion M.*	"	1887
Oliver, Hardy P.	Texas	1894
Ogilvie, James W.	Arkansas	1892
Ozment, Samuel J.	"	1898
Palmer, Luther B.	"	1892
Parham, Smead F.	"	1897
Parker, James	"	1902
Parker, Samuel	"	1892
Patterson, Charles H.	"	1896
Patterson, William F.	Tennessee	1884
Patton, John W.	Arkansas	1889
Payne, Frank P.	"	1890
Pease, John Benjamin, Jr.	Mississippi	1891
Perdue, John W.	Arkansas	1895
Philips, John Morgan	"	1891
Philips, Reuben Young	"	1891
Pickett, William S.	Alabama	1888
Pinson, Tom M.	Arkansas	1880
Pinson, William Byrd	"	1891
Pinson, William J.	"	1882

* Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS FROM 1880 TO 1903.

NAME	STATE	YEAR
Pipkin, John W.	Arkansas	1890
Pleae, Edgar F.	"	1893
Potts, James R.	"	1897
Powell, Miliard F.	"	1892
Powell, James P.	Louisiana	1896
Powley, Charles Perry	Canada	1881
Poynor, Isaac M.	Arkansas	1890
Protho, Hassel	"	1890
Quinn, Lot L.	"	1895
Ragsdale, Lewis T.	"	1888
Redfearn, Harrison	Mississippi	1887
Reece, David T.	Indian Territory	1901
Rhodes, James F.	Arkansas	1886
Rice, Clinton A.	"	1901
Ringgold, George W.	"	1886
Ringgold, John W.	"	1890
Robinson, Frank C.	"	1896
Rogers, William F.	"	1888
Russell, Robert L.	"	1898
Rutherford, Thomas F.	"	1883
Rutherford, S. C.	Indian Territory	1901
Ryan, Isaac A.	Arkansas	1887
Ryan, Joe V.	Texas	1897
Lye, Charles	Arkansas	1889
Sadler, Henry David	"	1891
Seaver, James A.	"	1883
Selman, Henry S.	Texas	1896
Sheppard, James M.	Arkansas	1897
Shoppach, Annie A.	"	1901
Shuford, Felix B.	Texas	1898
Shuler, James L.	Arkansas	1887
Simpson, Richard H.	"	1887
Slaight, John L.	"	1889
Smith, Daniel M.	Texas	1887
Smith, Elbert H.	Indian Territory	1898
Smith, George W. R.	Arkansas	1891
Smith, Lewis C.	"	1884
Smith, Morgan	"	1889
Smith, Robert J.	"	1890
Smith, William J.	"	1888
Snodgross, William A.	"	1897
Stanfield, M. F.	"	1890
Stark, Calvin B.	"	1890
Steed, Pinkney M.	"	1898
Stevenson, Thomas*	"	1881
Stephenson, A. J.	"	1898
Stewart, James L.	"	1895
Stobaugh, Fielding B.	"	1897
Stokes, B. S.	"	1902
Suggs, Frank	"	1897
Sykes, Arthur H.	"	1895
Tatum, Oscar H.	"	1888
Thibault, Henry	"	1900
Thomasson, Joseph B.	"	1894
Thomasson, Nicholas T.	"	1881

* Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS
FROM 1880 TO 1903.

NAME	STATE	YEAR
Thompson, James Isaac	Arkansas	1892
Thompson, John W.	"	1887
Thompson, Lewis Q.	"	1884
Thompson, Robert C.	"	1891
Thompson, Robert E.	Louisiana	1885
Thompson, William	Arkansas	1897
Tims, Talbot B.	"	1886
Todd, James H.	"	1894
Tolleson, George W.	"	1898
Tolleson, Robert E.	"	1898
Toner, Harry M.	Indiana	1895
Treadway, Paca H.	Arkansas	1894
Truitt, Edward	"	1893
Turner, Wert B.	Virginia	1888
Tunham, Harrison H.	Arkansas	1887
Ulmer, Charles F.	Texas	1895
Vaughan, John T.	Arkansas	1892
Vaughan, Milton	"	1892
Vaughter, Samuel Paul	"	1892
Voris, James H.	"	1901
Wallace, Charles T.	"	1897
Walton, James W.	"	1892
Walton, Paul N.	Texas	1891
Ward, S. J.	Arkansas	1892
Ward, W. W.	"	1902
Ware, John C.	"	1886
Waterfield, Floyd E.	Indian Territory	1899
Watkins, Anderson	Arkansas	1897
Watkins, Garland J.	"	1897
Waterson, Benjamin F.	"	1881
Waters, George Aaron	"	1892
Waters, George Alvis	Indian Territory	1890
Wear, John B.	Arkansas	1888
Webb, Abner L.	Texas	1884
West, James W.	Indian Territory	1901
Westbrook, Thomas H.	Arkansas	1892
Wiggs, John J.*	"	1888
Williams, Eugene W.	Texas	1899
Williams, A. A. C.	Arkansas	1884
Wilson, David F.	"	1891
Wilson, James J.*	"	1893
Wilson, John F.	"	1897
Wood, Neal	"	1890
Woodford, William S.	"	1884
Wycough, William E.	"	1892
Young, John M.	"	1895
Zachary, Burr S.	"	1883
Zuber, Lee	"	1901

* Deceased.

HONORARY DEGREES GRANTED.

Dibrell, James A., Sr., M. D.*	Arkansas	1884
Du Val, E. R., M. D.*	"	1880
Keller, James M., M. D.	"	1883
Lawrence, William, M. D.*	"	1885
Thompson, William, M. D.	"	1881
Welch, William B., M. D.	"	1882

* Deceased.

ALUMNI OF THE LAW SCHOOL OF THE UNIVERSITY
OF ARKANSAS.

Mike K. Duty, 1891, Lawyer, Pennsboro, W. Va.

Theo. W. Stanford, 1891, Waldron, Ark.

John C. Carmichael, 1894, Lawyer, Dean of Law Department
University of Arkansas, Little Rock, Ark.

DeEmmett Bradshaw, 1894, Lawyer, firm of Bradshaw & Helm,
Little Rock, Ark.

J. Fairfax Loughborough, 1894, Lawyer, firm of Cantrell &
Loughborough, Little Rock, Ark.

R. W. Polk, 1894, with C., O. & G. Railroad, Little Rock, Ark.

Sam W. Reyburn, 1894, Banker, Little Rock, Ark.

Lawrence C. Maloney, 1894, Lawyer, Little Rock, Ark.

W. H. Andereck, 1894, Lawyer, Little Rock, Ark.

Lewis Rhoton, 1894, Lawyer, Little Rock, Ark.

W. Sprig Brown, 1894, Lawyer, Poplar Bluff, Mo.

John D. Shackleford, 1894, Lawyer, firm of Shackleford &
Shackleford, Little Rock, Ark.

John W. Black, 1894, Lawyer, South McAlester, I. T.

Eugene Lankford, 1895, Lawyer, firm of McClintock & Langford,
Devall's Bluff, Ark.

John H. Tuohey, 1895, Merchant, Little Rock, Ark.

Roy D. Campbell, 1895, Lawyer, firm of Campbell & Stevenson,
Little Rock, Ark.

David B. Samuel, 1895, Lawyer.

Henry M. Armistead, 1895, Lawyer, firm of Oldham & Armistead,
Little Rock, Ark.

George C. McDiarmid, 1895, Little Rock, Ark.

E. S. Pindall, 1896, Lawyer, firm of Pindall & Pindall, Dumas, Ark.

X. O. Pindall, 1896, Lawyer, Arkansas City, Ark.

J. Bernhardt, 1896, Lawyer, Dumas, Ark.

Gordon Frierson, 1896, Lawyer, Jonesboro, Ark.

Chas. C. McRae, 1896, Lawyer, Dallas, Texas.

Julian J. Dunaway, 1896, Lawyer, Little Rock, Ark.

Henry S. Westbrook, 1897, Postmaster, Benton, Ark.

Adolph C. Klein, 1897, Omaha, Neb.

- Thomas J. Walker, 1897, Hospital Steward U. S. Army, Little Rock, Ark.
- Mike P. Huddleston, 1897, Lawyer, firm of Johnson & Huddleston, Paragould, Ark.
- James H. Stevenson, 1897, Lawyer, firm of Campbell & Stevenson, Little Rock, Ark.
- Ulysses S. Bratton, 1897, Assistant District Attorney United States, Little Rock, Ark.
- Eugene P. Guthrie, 1898, Little Rock, Ark.
- L. C. Gulley, 1898, Little Rock, Ark.
- Chas. T. Burns, 1898, Lawyer, Black Rock, Ark.
- Sam B. Hill, 1898, Lawyer, firm of Hill & Poe, Danville Ark.
- James A. Gallaher, 1898, Paris, Ark.
- R. C. Powers, 1898, with St. L. & I. M. Ry. Co., Little Rock, Ark.
- George Vaughan, 1898, Lawyer, Lockesburg, Ark.
- Charles M. Polk, 1898, Lawyer, St Louis, Mo.
- T. N. Robertson, 1898, Lawyer, firm of Robertson & Martineau, Little Rock, Ark.
- C. B. Andrews, 1899, Lawyer, Prescott, Ark.
- P. T. DeBerry, 1899, Paris, Ark.
- W. H. Evans, 1899, Lawyer, County and Probate Judge, Benton, Ark.
- S. L. Jeffers, 1899, First Lieutenant U. S. Army.
- William Kirten, 1899, Lawyer, Lake Village, Ark.
- Abe J. Kempner, 1899, Little Rock, Ark.
- William Lewis, 1899, Lawyer, firm of Murphy, Mehaffy & Lewis, Little Rock, Ark.
- John E. Martineau, 1899, Lawyer, firm of Robertson & Martineau, Little Rock, Ark.
- Milton Rose, 1899, Lawyer, Little Rock, Ark.
- Chas. D. Frierson, 1900, Lawyer, Jonesboro, Ark.
- T. E. Helm, 1900, Lawyer, firm of Bradshaw & Helm, Little Rock, Ark.
- W. F. Harrison, 1900, Lawyer, Driver & Harrison, Osceola, Ark.
- Powell Clayton, 1900, Lawyer, Little Rock, Ark.
- J. S. McKnight, 1900, Lawyer, firm of Poole & McKnight, Hampton, Ark.
- Roscoe R. Lynn, 1900, Lawyer, Little Rock, Ark.
- C. T. Cotham, 1901, Lawyer, firm of Wells, Williams & Cotham, Monticello, Ark.

- J. H. Venable, 1901, Lawyer, Camden, Ark.
T. B. Norfleet, 1901, Lawyer, Paris, Ark.
W. B. Brooks, 1901, Lawyer, Little Rock, Ark.
W. F. Nichols, 1901, Lawyer, Lockesburg, Ark.
Frank W. Rushing, 1901, Lawyer, Eufaula, I. T.
Thomas Tillar Dickinson, 1902, Lawyer, Little Rock, Ark.
George Walter Hendricks, 1902, with office of Secretary of State,
Little Rock, Ark.
Byron Leonidas Herring, 1902, Lawyer, Warren, Ark.
Edwin William Lindsey, 1902, with G. L. Meyers & Co., Little
Rock, Ark.
John Merrick Moore, 1902, Post-graduate work, Columbia
University, New York.
Clide Ernest Pettit, 1902, Lawyer, Pettit & Pettit, Stuttgart, Ark.
Ernest Edward Williams, 1902, Lawyer, Grayville, Ill.
June Price Wooten, 1902, Lawyer, Little Rock, Ark.
Richard Robinson Allnutt, 1903, Lawyer, Little Rock, Ark.
John M. Clayton, 1903, Lawyer, California.
Frank Hatton Dodge, 1902, Lawyer, Little Rock, Ark.
Garner Fraser, 1903, Lawyer, Clinton, Ark.
Norman P. Haskell, 1903, Lawyer, Muskogee, I. T.
George DeMatt Henderson, 1903, Lawyer, Little Rock, Ark.
Fred Ellensworth Holder, 1903, with Rock Island Railway Co.,
Little Rock, Ark.
Robert Ward Johnson, 1903, with Union Trust Co., Little Rock,
Ark.
John Price Kerby, Lawyer, Lonoke, Ark.
John Jackson Lewis, 1903, Lawyer, Pocahontas, Ark.
Robert Martin, 1903, Lawyer, Little Rock, Ark.
Creslie D. Morris, 1903, Lawyer, Little Rock, Ark.
Clay E. Smith, 1903, Lawyer, Peoples Security Co., Little Rock, Ark.
David Dickson Terry, 1903, Lawyer, Little Rock, Ark.
D. Everett Tucker, 1903, Lawyer, Tucker, Ark.
Charles L. Watkins, 1903, With Board of World's Fair Commis-
sioners, Little Rock, Ark.
Albert F. Welch, 1903, Lawyer, Morrilton, Ark.
J. F. Wills, 1903, Official Court Stenographer, Fifth Judicial Circuit,
Morrilton, Ark.

ALUMNI ASSOCIATION OF THE UNIVERSITY OF
ARKANSAS LAW SCHOOL.

The object of this association is to perpetuate a bond of union among its members, to encourage a spirit of friendship, and to promote the interest of the law department and its alumni.

The officers of the association for 1903-1904 are:

Clide E. Pettit, Stuttgart, Ark., President.

Roy D. Campbell, Little Rock, Ark., Vice President.

William M. Lewis, Little Rock, Ark., Secretary-Treasurer.

The association meets in Little Rock for the election of officers and other business on the day of the annual banquet which is held during the commencement of the law department in June.

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1904-1905



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ARKANSAS DEMOCRAT COMPANY
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ERRATA

Page 19, after Prof. B. J. Dunn, read Alvin Arthur Steel,
B. S., E. M., Associate Professor of Geology and Mining.

Page 51, page reference in foot note should read pp. 135-6.

Page 202, Lueker, Traugott, read Friedrich for Frieldrich.

Page 214, last line, read Philippine for Phillipine.



1906

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Calendar, 1905-1906.

1905.

- SEPT. 20. *Academic Year* Begins in all Departments at Fayetteville—Wednesday.
- SEPT. 20-23. Examinations for Admission to B. A., B. S., Engineering, Normal, and Preparatory Courses—Wednesday to Saturday.
- SEPT. 25. Fall Term Begins in the Law School, Little Rock—Monday.
- OCT. 16. Regular Session Begins in the Medical School, Little Rock—Monday.
- NOV. 24. Thanksgiving Day—a Holiday—Thursday.

1906.

- JAN. 27. Mid-Year Examinations Begin in the Departments at Fayetteville—Saturday.
- JAN. 20. Fall Term of Law School Ends.—Saturday.
- JAN. 22. Spring Term of Law School Begins—Monday.
- FEB. 3. First Term Ends in all Departments at Fayetteville—Saturday.
- FEB. 5. Second Term Begins in all Departments at Fayetteville—Monday.
- FEB. 22. Washington's Birthday—Wednesday.
- MCH. 27. Thirty-fifth Anniversary of the Foundation of the University of Arkansas—Tuesday.
- APR. 14. Regular Session Ends in the Medical School, Little Rock—Saturday.
- MAY 1. Last Day for Receiving Essays for the William Jennings Bryan Prize—Tuesday.
- MAY 30. Memorial Day—a Holiday—Wednesday.
- JUNE 1. Spring Term of Law School Ends—Friday.
- JUNE 3. Memorial Day—a Holiday—Sunday.
- JUNE 7. Final Examinations Begin in the Departments at Fayetteville—Thursday.
- JUNE 17. Baccalaureate Sermon, U. of A. Chapel—Sunday
- JUNE 21. *Commencement*—Thursday.

Departments of the University.

The University comprehends the following departments:

At Fayetteville:

THE COLLEGE.

THE PREPARATORY SCHOOL.

THE CONSERVATORY OF MUSIC AND ART.

THE AGRICULTURAL EXPERIMENT STATION.

At Little Rock:

THE MEDICAL SCHOOL.

THE LAW SCHOOL.

At Pine Bluff:

THE BRANCH NORMAL COLLEGE.

PART I.

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The Board of Trustees of the University of Arkansas.

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 Little Rock.

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 Paragould.

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*Term expired January 23, 1905.

†Term began January 23, 1905.

OFFICERS AND COMMITTEES OF THE BOARD OF TRUSTEES.

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On Teachers,

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BURTON NEILL WILSON, B. Sc. M. E.

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GEORGE ALBERT COLE, B. S., A. M.

†ROBERT BOYD POWERS (West Point), Captain, U. S. A.

EDGAR FINLEY SHANNON, A. B.

BOLLING JAMES DUNN, A. M.

HAZEL ARCHER YATES.

ALVIN ARTHUR STEEL, B. S., E. M.

*Relieved January 30, 1905.

†Detailed January 31, 1905.

COMMITTEES OF THE FACULTY.

The President of the University is *ex-officio* a member of all Standing Committees.

1. ON DISCIPLINE—Professors Gladson, Cole, and Pickel.
2. ON DOUBTFUL CASES—Professors Knoch, Reynolds, and Muckenfuss.
3. ON CLASSIFICATION AND PETITIONS—B. A. and B. S. students, Professors Purdue and Shannon; B. M. E. students, Professor Wilson; B. C. E. students, Professor Knoch; B. E. E. students, Professor Gladson; B. Mi. E. students, Professor Purdue; B. Ch. E. and B. S. C. students, Professor Muckenfuss; B. S. A. students, Professors Cole and Walker; Conservatory students, Professor Yates; Preparatory students, Professor Kuykendall.
4. ON ACCREDITED SCHOOLS—Professors Reynolds, Dunn, Muckenfuss, and Shannon.
5. ON THE LIBRARY—Professors Carr, Reynolds, and Purdue, and Miss Pace.
6. ON ATHLETICS—Professors Futrall and Powers.
7. ON THE CATALOGUE—Professors Carr, Futrall, and Knoch.
8. ON THE SCHEDULE—Professors Futrall, Purdue, and Gladson.
9. EMPLOYMENT BUREAU—Professors Johnson, Knoch, and Shannon.
10. ON PETITIONS IN THE MILITARY DEPARTMENT—Professors Dunn, Carr, Brough, and Powers.
11. ON ENTERTAINMENTS—Professors Wilson, Brough, and Yates.
12. ON COMMENCEMENT—Professors Johnson, Droke, and Gladson

OFFICERS OF INSTRUCTION OF THE UNIVERSITY OF ARKANSAS.

The College of Liberal Arts, Sciences, and Engineering.

Fayetteville.

HENRY SIMMS HARTZOG, LL. D.,
President.

JOHN CLINTON FUTRALL, M. A.,
Professor of Ancient Languages.

GEORGE WESLEY DROKE, A. M.,
Professor of Mathematics and Astronomy.

JULIUS JAMES KNOCH, M. S., C. E.,
Professor of Civil Engineering.

WILLIAM NATHAN GLADSON, M. S. E. E., Ph. D.,
Professor of Electrical Engineering and Physics.

ARTHUR HOMER PURDUE, A. B.,
Professor of Geology and Mining.

FRANK WELBORN PICKEL, A. B., M. Sc.,
Professor of Biology.

ERNEST WALKER, B. S. Agr.
Professor of Horticulture.

JOSEPH WILLIAM CARR, Ph. D.,
Professor of English and Modern Languages.

WILLIAM SMYTHE JOHNSON, Ph. D.,
Professor of Philosophy and Pedagogy.

JOHN HUGH REYNOLDS, A. M.,
Professor of History and Political Science.

ANTHONY MOULTRIE MUCKENFUSS, Ph. D.
Professor of Chemistry.

BURTON NEILL WILSON, B. Sc. M. E.,
Professor of Mechanical Engineering.

GEORGE ALBERT COLE, B. S., A. M.,
Professor of Agriculture.

ALVIN ARTHUR STEEL, B. S., E. M.,
Associate Professor of Geology and Mining.

- *LANNING PARSONS (West Point), Captain, U. S. A.,
Professor of Military Science and Tactics.
- CHARLES HILLMAN BROUGH, Ph. D.,
Professor of Economics and Sociology.
- †ROBERT BOYD POWERS (West Point), Captain, U. S. A.,
Professor of Military Science and Tactics.
- EDGAR FINLEY SHANNON, A. B.,
Associate Professor of English and Modern Languages.
- BOLLING JAMES DUNN, A. M.,
Associate Professor of Mathematics.
- HADGIE BOOKER DAVIES, B. A.,
Adjunct Professor of English and Modern Languages.
- THEODORE CHARLES TREADWAY, E. E.,
Adjunct Professor of Mechanical Engineering.
- HUGH ELLIS MORROW, B. S. A.,
Adjunct Professor of Chemistry.
- VIRGIL PROCTOR KNOTT, B. C. E.,
Instructor in Civil Engineering.
- HEINRICH SCHAPPER, E. E., B. S.,
Instructor in Electrical Engineering and Physics.
- JOHN RHINE BLOOM, B. E. E.,
Assistant in Electrical Engineering.
- WILL ADDIE HARDING,
Machinist.
-

The Preparatory School.

Fayetteville.

- HENRY SIMMS HARTZOG, LL. D.,
President.
- JAMES WYSE KUYKENDALL, PRINCIPAL,
Instructor in Mathematics.
- EMMA WILMER COLE, A. B. (Resigned January 18, 1905).
Instructor in History, Latin, and Mathematics.

*Relieved January 30, 1905.

†Detailed January 31, 1905.

MARY ANNE DAVIS,

Instructor in English and History.

MARY WHITFIELD VAULX,

Instructor in English and History.

ROBERT EDWARD PHILBECK, B. A.,

Instructor in Mathematics.

NAOMI JOSEPHINE WILLIAMS, M. A.,

Instructor in Latin and History.

DAISY YOUNG, B. A.,

Instructor in Mathematics.

JESSIE MELVILLE McKAY,

Instructor in English, History, and Physiology.

GENEVIEVE CHRISTINE BRODERSEN, B. A.,

Instructor in Mathematics, Latin, and English.

MABEL SUTTON, B. A. (Elected January 18, 1905).

Instructor in History, Latin, and Mathematics.

The Conservatory of Music and Arts.

Fayetteville.

HENRY SIMMS HARTZOG, LL. D.,

President.

HAZEL ARCHER YATES, DIRECTOR

Piano and Violin.

GERTRUDE CRAWFORD,

Voice Culture.

FRANK BARR,

Band Instruments.

MARTHA HUDSON WHITE,

Elocution and Physical Culture.

FRANCES McSWINE,

Art.

CORDELIA BAIRD,

Art.

The Agricultural Experiment Station.

Fayetteville.

WILLIAM GEORGE VINCENHELLER,
Director.

ROBERT ROBSON DINWIDDIE, M. D.,
Pathologist and Bacteriologist.

ERNEST WALKER, B. S. A.,
Horticulturist and Entomologist.

GEORGE ALBERT COLE, B. S., A. M.,
Agriculturist.

JOHN HENRY NORTON, B. Agr., B. S.,
Chemist.

VICTOR ALBERT HOOPER,
Instructor in Dairying.

The Medical School.

Little Rock.

HENRY SIMMS HARTZOG, LL. D.,
President.

JAMES A. DIBRELL, M. D.,
*Professor of General, Descriptive, and Surgical Anatomy,
and President of the Medical Faculty.*

EDWIN BENTLEY, M. D., U. S. A. (Retired),
Professor of the Principles and Practice of Surgery.

C. WATKINS, M. D.,
Professor of the Practice of Medicine.

JAMES H. LENOW, M. D.,
Professor of the Diseases of Genito-Urinary Organs.

LOUIS R. STARK, M. D.,
Professor of Gynecology.

E. R. DIBRELL, M. D.,
*Professor of Physiology, Physical Diagnosis, and Clinical
Medicine.*

- FRANK VINSONHALER, M. D.,
Professor of Ophthalmology and Otolology.
- THOMAS N. ROBERTSON, A. B., LL. B.,
Professor of Medical Chemistry and Toxicology.
- W. H. MILLER, M. D.,
Professor of Obstetrics.
- F. L. FRENCH, M. D.,
Professor of Materia Medica, Therapeutics, Hygiene, and Botany, and Secretary of the Faculty.
- CARLE E. BENTLEY, M. D.,
Professor of Clinical Surgery and Dermatology.
- JOHN R. DIBRELL, M. D.,
Professor of Surgical Pathology and Bacteriology.
- W. C. DUNAWAY, M. D.,
Demonstrator of Anatomy.
- E. E. MOSS, A. M., LL. B.,
Professor of Legal Medicine.
- R. W. LINDSEY, M. D.,
Lecturer and Clinical Instructor in the Practice of Medicine.
- C. E. WITT, M. D.,
Lecturer and Clinical Instructor in the Practice of Medicine, and Adjunct Professor of Materia Medica and Therapeutics.
- H. C. STINSON, M. D.,
Lecturer and Clinical Instructor in the Diseases of the Nervous System.
- MORGAN SMITH, M. D.,
Lecturer and Clinical Instructor in the Diseases of Children.
- ANDERSON WATKINS, M. D.,
Adjunct Professor of Physiology, and Assistant in Clinical Surgery and Dermatology.
- W. A. SNODGRASS, M. D.,
Assistant in Gynecology.
- J. G. WATKINS, M. D.,
Assistant in Otolology and Ophthalmology.
- A. R. STOVER, M. D.,
Assistant in Clinical Medicine.

- A. E. SWEATLAND, M. D.,
Assistant Demonstrator of Anatomy.
- A. L. CARMICHAEL, M. D.,
Assistant Demonstrator of Anatomy.
- OSCAR GRAY, M. D.,
Assistant Demonstrator of Anatomy.
-

The Law School.

Little Rock.

- J. H. CARMICHAEL, LL. B., DEAN,
Contracts, Equity Jurisprudence, and Corporations
- JOHN FLETCHER, LL. M.,
Real Property.
- GEORGE W. MURPHY, LL. B.,
Law of Evidence.
- TOM M. MEHAFFY, LL. B.,
Law of Torts.
- EDWARD W. WINFIELD, LL. B.,
Pleading and Practice.
- JAMES F. LOUGHBOROUGH, LL. B.,
Conflict of Laws.
- LEWIS RHOTON, LL. B.,
Domestic Relations.
- THOMAS N. ROBERTSON, LL. B.,
Agency, Commercial Papers, and Judgments.
- THOMAS E. HELM, LL. B.,
Partnerships and Insurance.
- AUGUSTUS M. FULK, LL. B.,
Criminal Law, Practice, and Procedure.
- JAMES P. CLARKE, U. S. SENATOR,
Lecturer.
- JUDGE JACOB TRIEBER,
Lecturer.

HON. MORRIS M. COHN,
Lecturer.

HON. JAMES H. HARROD,
Lecturer.

HON. GEORGE B. ROSE,
Lecturer.

The Branch Normal College.

Pine Bluff.

ISAAC FISHER, PRINCIPAL,
Psychology, Ethics, and Pedagogy.

JOHN H. MICHAEL,
Mathematics, Architectural Drawing, and English.

WILLIAM B. CRITTENDEN,
Ancient and Modern Languages, and Mathematics.

IRENE V. COLEMAN,
Algebra, Arithmetic, and Ancient History.

JULIA O. WRIGHT,
Geography, United States History, Typewriting, and Music.

SADIE M. PEEBLES,
Free Hand Drawing, English, and Arithmetic.

MATTIE I. BENSON,
Dressmaking and Music.

B. N. WILSON, B. Sc. M. E.,
Superintendent of Mechanic Arts.

W. S. HARRIS,
Assistant Superintendent of Mechanic Arts.

J. L. ROSS,
Machine Shop and Forge.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY OF ARKANSAS.

- HENRY SIMMS HARTZOG, LL. D Office, *U. H. 1,
President. Fayetteville.
- OTEEY MILLER, M. D. Fayetteville.
Treasurer.
- HUGH FRENCH REAGAN Fayetteville.
Secretary of the Board of Trustees.
- JOHN CLINTON FUTRALL, A. M. . . . U. H. 20, Fayetteville.
Secretary of the College Faculty.
- FRANK WELBORN PICKEL, A. B., M. Sc., U. H. 32
Recorder of the College Faculty (1904-1905). Fayetteville.
- ALBERT HOMER PURDUE, A. B. U. H. 39, Fayetteville.
Curator of the Museum.
- GEORGE ALBERT COLE, B. S., A. M. . . . Agricultural Exper.
Superintendent of Agriculture. Station, Fayetteville.
- BURTON NEILL WILSON, B. Sc., M. E. . . . Engineering Hall,
Superintendent of Mechanic Arts. Fayetteville.
- ROBERT BOYD POWERS (West Point), Capt., U. S. A.
Commandant. U. H. 4, Fayetteville.
- ADA PACE U. H. 22, Fayetteville.
Librarian.
- THEODORE CHARLES TREADWAY, E. E. . . . Engineering
Assistant Superintendent of Mechanic Arts. Hall,
- CHARLES WALLACE WEBB U. H. 2, Fayetteville.
Secretary to the President.
- MRS. FANNIE WASHINGTON. . New Dormitory, Fayetteville.
Superintendent of Dormitories.
- JAMES WYSE KUYKENDALL U. H. 13, Fayetteville.
Principal of the Preparatory School.
- HAZEL ARCHER YATES U. H. 26, Fayetteville.
Director of the Conservatory of Music and Arts.

*University Hall.

- WILLIAM GEORGE VINCENHELLER.....Fayetteville.
Director of the Agricultural Experiment Station.
- JAMES A. DIBRELL, M. D.....Little Rock.
President of the Medical Faculty.
- F. L. FRENCH, M. D.....Little Rock.
Secretary of the Medical Faculty.
- JAMES H. CARMICHAEL, LL. B.....Little Rock.
Dean of the Law Faculty.
- THOMAS N. ROBERTSON, LL. B.....Little Rock.
Secretary of the Law Faculty.
- ISAAC FISHER.....Pine Bluff.
Principal of the Branch Normal College.

PART II.

THE UNIVERSITY

AND

ITS DEPARTMENTS.

Origin.

The University of Arkansas owes its origin to an act of congress, approved July 2, 1862, providing that public lands should be granted to the several states, to the amount of "30,000 acres for each senator and representative in congress," from the sale of which there should be established a perpetual fund, "the interest of which shall be inviolably appropriated by each state, which may take and claim the benefit of this act, to the endowment, support, and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislatures of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life." The act forbids the use of any portion of the aforesaid fund, or of the interest thereon, for the purchase, erection, or maintenance of any building or buildings. The states accepting the provisions of the act are required to provide for the construction and maintenance of the necessary buildings, and for the expenses of administration in carrying out the purposes of the act.

The general assembly of the state of Arkansas accepted the national law by passing an act, approved March 27, 1871, which provided for the location, organization, and maintenance of the University of Arkansas, and which allowed the several counties of the state to compete until a certain time for the location of the University by making public or private donations of bonds,

moneys or lands. Several individuals and communities made bids: Washington, the only county that competed, voted \$100,000. Fayetteville, Washington County, voted \$30,000 in addition, and was selected as the seat of the University. The institution was opened January 22, 1872.

Under an act of congress, approved March 2, 1887, the University receives \$15,000 annually for the maintenance of the experiment station, "to aid in acquiring and diffusing among the people useful and practical information on subjects connected with agriculture, and to promote scientific investigation and experiment respecting the principles and applications of agricultural science."

Under an act of congress, approved August 30, 1890, the University receives \$25,000 annually, "to be applied only to instruction in agriculture, the mechanic arts, the English language, and the various branches of mathematical, physical, natural, and economic science, with special reference to their application to the industries of life."

Purpose.

The University is as the head of the public educational system of the state of Arkansas. It seeks to foster the higher educational interests of the state, broadly and generously interpreted, and to make provision for the demands of advanced scholarship in as many lines as its means will permit. It is the aim of its faculty and board of trustees, from year to year, to bring it into still closer articulation with the public schools of the state, and in connection with them to afford to all the youth of either sex ample facilities for liberal education in literature and science, and technical education in the industrial arts and professional studies.

Through the aid received from the United States and from the state of Arkansas, the University is enabled to offer to its students free tuition, except in the studies of law, medicine, music, and art, and to open wide her doors to all seekers of learning.

Location.

Four of the seven departments of the University, viz: the College, the Preparatory School, the Conservatory of Music and Art, and the Agricultural Experiment Station, are located at Fayetteville, Washington County, Arkansas. Situated in the heart of the Ozark Mountains, it is more than 1,500 feet above the sea level. The location is thought to be unsurpassed in salubrity of climate, in beauty of surrounding scenery, in variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

Students may reach Fayetteville from both the north and the south by the Texas branch of the St. Louis & San Francisco Railroad, which has three trains daily each way, and various connections with other roads, both north and south. From the west students may reach Fayetteville by the Ozark & Cherokee Central Railroad.

The College of Liberal Arts, Sciences, and Engineering.

Fayetteville.

HENRY SIMMS HARTZOG, LL. D., 717 W. Dickson St.
President, and Professor of the History of Fine and Applied Art.

Graduate, South Carolina Military Academy, 1886, B. S. C. E.; Southern Baptist Theological Seminary, 1888-1890; Principal, Bamberg Graded Schools,

1890-1894; Superintendent, Johnston Institute, 1894-1897; President, Clemson Agricultural, Mechanical, and Textile College of South Carolina, 1897-1902; LL. D., Mercer University; Director, South Carolina Experiment Station, 1897-1902; present position since 1902.

JOHN CLINTON FUTRALL, M. A. 226 N. College Ave.
Professor of Ancient Languages.

B. A. and M. A., University of Virginia, 1894; graduate student of classical philology, Universities of Bonn and Halle, Germany, 1899-1900; present position since 1894; member of the Archæological Institute of America.

GEORGE WESLEY DROKE, A. M. 103 Hill St.
Professor of Mathematics and Astronomy.

A. B., University of Arkansas, 1880; A. M., University of Arkansas, 1884; Assistant in Preparatory Department, University of Arkansas, 1880-1884; Professor of English, Coronal Institute, San Marcos, Texas, 1885; Principal, Public School, Bentonville, Arkansas, 1886; Assistant in the Preparatory Department, University of Arkansas, 1887-1891; Adjunct Professor of Mathematics, University of Arkansas, 1892-1893; Associate Professor of Mathematics, University of Arkansas, 1894-1896; graduate student several short terms in John Hopkins University, and the University of Chicago; present position since 1897.

JULIUS JAMES KNOCH, M. S., C. E. 402 N. College Ave.
Professor of Civil Engineering.

B. S., Grove City College, 1886; Instructor in German and Mathematics, Grove City College, 1886-1888; M. S., Grove City College, 1889; C. E., Cornell University, 1892; practical work, 1892-1893; Adjunct Professor of Civil Engineering, University of Arkansas, 1893-1894; Associate Professor of Civil Engineering, University of Arkansas, 1894-1896; present position from 1896 to date. Member Society for Promotion of Engineering Education; associate member, American Society of Civil Engineers.

WILLIAM NATHAN GLADSON, M. S. E. E., Ph. D.,
820 W. Maple St.
Professor of Electrical Engineering and Physics.

B. M. E., Iowa State College, 1888; Construction Engineer and Expert, Thompson-Houston Electric Co., 1888-1891; Draughtsman and Engineer on World's Fair Work for Westinghouse Electric and Manufacturing Co., 1891-1892; Assistant Professor of Electrical Engineering Ohio State University, 1892-1893; with Westinghouse Electric and Manufacturing Co., 1893-1894; Associate Professor of Electrical Engineering, University of Arkansas, 1894-1897. M. S. E. E., 1896; Ph. D., 1898; Professor of Electrical Engineering, University of Arkansas, 1897-1904; present position since 1904; member of the American Institute of Electrical Engineers; member of the Society for Promotion of Engineering Education.

ALBERT HOMER PURDUE.....538 Leverett St.

Professor of Geology and Mining.

Graduate, Indiana State Normal School, 1886; Principal, High School, Sullivan, Indiana, 1886-1887; Superintendent of Schools, West Plains, Missouri, 1887-1888; student, Purdue University, 1888-1889; A. B., Leland Stanford, Jr., University, 1893; graduate student, 1893-1894; Principal, High School, Rensselaer, Indiana, 1894-1895; Senior Fellow, Department of Geology, University of Chicago, 1895-1896; Professor of Geology, University of Arkansas, 1896-1903; Professor of Geology and Mining since 1903; Assistant Geologist, Geological Survey of Arkansas, 1892; Superintendent Arkansas Mineral Exhibit, Louisiana Purchase Exposition; member, American Institute of Mining Engineers; Fellow, Geological Society of America; member of other scientific societies.

FRANK WELBORN PICKEL, A. B., M. Sc..808 W. Maple St.

Professor of Biology.

A. B., Furman University, 1886; M. S., University of South Carolina, 1890; M. Sc., University of Chicago, 1899; Teacher in Public School, 1886-1888; Instructor in Biology, and Bacteriologist of Experiment Station in University of South Carolina, 1889-1891; Professor of Natural Science in A. & M. College of Florida, 1891-1892; graduate student, John Hopkins University, 1892-1894; Professor of Greek and German, Mississippi College, 1895-1897; graduate student, University of Chicago, 1897-1899; present position since 1899.

ERNEST WALKER, B. S. A.....524 Leverett St.

Professor of Horticulture.

B. S. A., Cornell University, 1897; Instructor in Horticulture, Cornell University, 1897; Assistant Professor of Horticulture, Clemson College, and Entomologist and Assistant Horticulturist of the South Carolina Experiment Station, 1897-1898; Professor of Entomology, Clemson College, and Entomologist of the South Carolina Experiment Station, 1898-1900; present position since 1900; State Entomologist since 1903; member of the Society for Horticultural Science, and Association for the Promotion of Science; Secretary of the State Horticultural Society since 1900, State Vice President of the American Pomological Society.

JOSEPH WILLIAM CARR, A. M., Ph. D., 353 Highland Ave.

Professor of English and Modern Languages.

A. B., Harvard University, 1893; A. M., Harvard University, 1895; English and Classical Master, St. Bartholomew's School, Morristown, New Jersey, 1894-1897; graduate student of English, Germanic, and Romance Philology, University of Leipzig, 1897-1899; Ph. D., University of Leipzig, 1899; Instructor in German, Harvard University and Radcliffe College, 1899-1900; acting head of the German Department, West Virginia University, 1900-1901; Associate Professor of English and Modern Languages, University of Arkansas, 1901-1902; present position since 1902; member of the Modern Language Association of America, and the Goethe-Gesellschaft in Weimar, Germany; State Secretary of the American Dialect Society.

WILLIAM SMYTHE JOHNSON, Ph. D., . . . 228 Rollston St.
Professor of Philosophy and Pedagogy.

A. B., Ouachita Baptist College, 1890; Instructor in Mathematics, Ouachita Baptist College, 1890-1892; President of Mountain Home Baptist College, 1892-1896; graduate student, Yale University, 1896-1899; Ph. D., Yale University, 1899; Lecturer in Psychology, Yale University, 1899-1900; Professor of Psychology and Pedagogy, Louisiana State Normal College, 1900-1902; present position since 1902.

JOHN HUGH REYNOLDS, A. M. 814 W. Maple St.
Professor of History and Political Science.

A. B., Hendrix College, 1893; A. M., University of Chicago, 1897; Principal, High School, and County Examiner, Rover, 1893-1896; Vice President, and Professor of History and Political Science, Hendrix College, 1897-1902; Secretary, Arkansas Historical Association; Arkansas Member of Public Archives Commission of American Historical Association; President Arkansas Teachers' Association; and Chairman, Rural School Commission,

ANTHONY MOULTRIE MUCKENFUSS, Ph. D.,
Professor of Chemistry. 231 N. East St.

A. B., Wofford College, South Carolina, 1889; and A. M., 1890; Principal, Dalcho High School, South Carolina, 1889-1891; student, John Hopkins University, 1891-1893, and 1894-1895, and Ph. D., 1895; student, University of Virginia, 1892; Berlin, 1895; and Chicago, 1896, 1898, and 1902 (summer semesters); Professor of Chemistry and Physics, Millsaps College, Mississippi, 1893-1894, and 1895-1902; Professor of Chemistry and Physics, University of Arkansas, 1902-1904; present position since 1904.

BURTON NEILL WILSON, B. Sc. M. E. . . 241 N. College Ave.
Professor of Mechanical Engineering.

B. Sc. M. E., Georgia School of Technology, 1896; studied at the University of Michigan, 1903; Instructor in Mechanical Engineering, University of Arkansas, 1896-1899; Adjunct Professor of Mechanical Engineering, and Superintendent of Buildings and Grounds, 1899-1902; present position since 1902; member, American Society of Mechanical Engineers.

CHARLES HILLMAN BROUGH, A. M., LL. B., Ph. D.,
Professor of Economics and Sociology. 343 Arkansas Ave.

A. B., Mississippi College, 1894; A. M., Mississippi College, 1899; Fellow in Political Economy, Johns Hopkins University, 1897-1898; Ph. D., Johns Hopkins University, 1898; LL. B., University of Mississippi, 1902; Professor of Philosophy, History, and Economics, Mississippi College, 1898-1901; Professor of Economics and History, Hillman College, 1902-1903; present position since 1903; member of American Economic and Historical Associations; First Vice President, Arkansas State Historical Society.

GEORGE ALBERT COLE, B. S., A. M....763 W. Dickson St.
Professor of Agriculture.

Connected with the University of Arkansas since 1892.

ROBERT BOYD POWERS (West Point), Captain, Seventh
 Cavalry, U. S. A., Washington Hotel.
Professor of Military Science and Tactics.

Graduate of West Point, 1896; commissioned officer since 1896; present position since January 31, 1905.

EDGAR FINLEY SHANNON, A. B.....15 N. Duncan Ave.
Associate Professor of English and Modern Languages.

A. B., Central University of Kentucky, 1893; Principal of Princeton, Arkansas, Public Schools, 1893-1894; Associate Professor of Ancient Languages, University of Arkansas, 1895-1902; student at the summer sessions of Harvard University, 1902, 1903, 1904; present position since 1902; member of the Modern Language Association of America.

BOLLING JAMES DUNN, A. M.....129 E. Dickson St.
Associate Professor of Mathematics.

A. B., Bethel College, 1871; A. M., Bethel College, 1874; Principal of Arkadelphia Baptist High School, 1877-1886; Professor of Mathematics, Ouachita Baptist College, 1886-1894; Principal of Preparatory Department, University of Arkansas, 1894-1898; present position since 1898.

ALVIN ARTHUR STEEL, B. Sc. in C. E., E. M., 421 College Ave.
Associate Professor of Geology and Mining.

B. S. in C. E., University of Nebraska, 1899; E. M., Columbia University in the City of New York, 1900; Assistant in Chemistry, University of Nebraska, 1898-1899; with Omaha and Grant Smelter, 1898; Assistant Engineer, B & M. R. R. R., 1899; Practicing and Consulting Engineer, with Fernando Mining Co., San Fernando, Durango, Mexico; the Greene Consolidated Copper Co., La Cananea, Sonora, Mexico; the Pacific Consolidated Copper Co., Pyramid, Nevada; and the Engineering Co. of America, in several parts of the United States and Mexico, 1900-1904; Assistant Engineer of Briquetting Experiments, U. S. G. S. Coal Testing Plant, Louisiana Purchase Exposition, 1904.

HADGIE BOOKER DAVIES, B. A.....207 N. College Ave.
Adjunct Professor of English and Modern Languages.

B. A., University of Arkansas, 1893; teacher of English, Mary Baldwin Seminary, Staunton, Virginia, 1894-1898; present position since 1898; member of the Modern Language Association of America.

THEODORE CHARLES TREADWAY, E. E.,
 340 Arkansas Ave.
Adjunct Professor of Mechanical Engineering, and Assistant Superintendent of Mechanic Arts.

B. E. E., University of Arkansas, 1901, E. E., University of Arkansas, 1904; in the employ of the Little Rock Telephone Co., 1902-1903; present position since 1903.

HUGH ELLIS MORROW, B. S. A.....305 Lafayette Ave.
Adjunct Professor of Chemistry.

B. S. A., University of Arkansas, 1904; present position since 1904.

VIRGIL PROCTOR KNOTT, B. C. E.....402 N. College Ave.
Instructor in Civil Engineering.

B. C. E., University of Arkansas, 1904; present position since 1904.

HEINRICH SCHAPPER, E. E., B. S.....S. Hill St.
Instructor in Electrical Engineering and Physics.

E. E., Karlsruhe, 1903; B. S. (Physics), Massachusetts Institute of Technology, 1904; present position since 1904.

JOHN RHINE BLOOM, B. E. E.....411 N. College Ave.
Assistant in Electrical Engineering.

B. E. E., University of Arkansas, 1904; present position since 1904.

WILL ADDIE HARDING,.....Hill and Town Sts.
Machinist.

Equipment of the College.

UNIVERSITY HALL.

This is a brick structure with cut stone trimmings and a stone foundation. It is four stories in height above the basement. It consists of a front building, two hundred and fourteen feet in length, and two wings, each one hundred and twenty-four feet in depth, the whole forming three sides of a quadrangle. This building contains a large number of class rooms, chapel, departmental library of English and modern languages, general library and collegiate study hall, separate study halls for the boys and girls of the preparatory department, armory, magazine, band room, laboratories for biology, geology and mining engineering, music and art rooms, president's and commandant's offices, natural history museum, literary society halls, toilet rooms, etc., in all, seventy

rooms, together with broad corridors and stairways. The building is heated by steam, lighted by electricity, and supplied with water from the city waterworks.

SCIENCE HALL.

This building, a two-story brick structure, fifty by ninety feet, is used by the department of chemistry. The basement is fitted up for assaying. On the first floor are the main chemical lecture room, two balance rooms, the chemical library, the quantitative store room and laboratory, and the office of the professor in charge. On the second floor are to be found the laboratories for general and organic chemistry, and for qualitative analysis; also a smaller class room, a commercial laboratory, a fuming room, the general store room, and the office of the adjunct professor. The building will accommodate about two hundred students.

• ENGINEERING HALL.

Engineering Hall is located on the main driveway, just south of University Hall. It accommodates the departments of electrical, civil, and mechanical engineering, with offices, lecture rooms, and laboratories. It is built of native sandstone and pressed brick, with limestone trimmings. The construction is slow-burning and nearly fireproof.

The building is one hundred and fifty by fifty-eight feet four inches, three stories high and contains thirty-two rooms, aggregating about 26,000 square feet of floor space. A corridor divides the building from east to west and is intersected at the middle by another hall-way from the front of the building, thus giving easy access to any room.

In addition to the laboratories, offices, lecture rooms, and draughting rooms of departments of engineering, there is an assembly room on the first floor for the accommodation of the engineering societies, and other gatherings too large to be accommodated in a lecture room.

The library and reading room contains engineering magazines, journals, and technical works on engineering.

Owing to the inadequate appropriation, the building is not fully equipped, but the design provides for steam heat from the central station, electric light, and power, and an elevator from the basement to the second floor.

MECHANICAL HALL.

Mechanical Hall was built to take the place of the building consumed by fire on October 20, 1902. It is of brick, forty feet wide and one hundred and fifty-five feet in length, with a boiler house, thirty-five by forty feet adjoining, and contains the machine shop, wood shop, and forge shop. The shops will accommodate about fifty students at one time.

BUCHANAN HALL.

This is a substantial and handsome brick building, three stories high, and containing over forty rooms. It is favorably located, with a view to the health of the occupants, and convenience of access to University Hall. The rooms are large, well ventilated and lighted, and open into broad corridors extending lengthwise through the building. From a wide veranda in front, there are three entrances to the building. There are also two rear entrances, and on the third floor a suite of rooms fitted up for an infirmary. Through the generosity of the

ladies of Fayetteville, this suite of rooms has been thoroughly equipped. In the rear of the hall a brick building has been erected, which furnishes bath and toilet rooms, supplied with cold and hot water.

THE NEW DORMITORY.

The new dormitory, for which a special appropriation was made by the general assembly of 1901, is now in use. It is located west of University Hall and north of Buchanan Hall, and is convenient of access to both buildings. It is a substantial brick structure, three stories high, with a foundation of range stone work, and with trimmings of dressed limestone, and contains in all some twenty-five rooms. The first story contains a commodious dining hall, thirty-eight by eighty-six feet, which is sufficiently large to accommodate all students who occupy rooms in University dormitories. On this floor also are kitchen, storeroom, furnace room, coal bin, etc. The second and third stories contain some twenty rooms for students, besides ample corridors, stairways, etc. By the aid of the superintendent and the liberality of the students and citizens a handsome suite of parlors has been tastefully and elegantly furnished. The entire building is heated by steam, lighted by electricity, and supplied with water by the city waterworks.

AGRICULTURAL BUILDINGS.

The principal buildings of the agricultural experiment station are of brick, one story in height. They contain several offices, the laboratories of the station, the station museum, and several commodious store-rooms. Belonging to the department of agriculture are a large barn, stock shed, dairy house and other necessary

outbuildings. There is also a handsome and conveniently located cottage residence for the manager of the University farm.

HORTICULTURAL BUILDING.

This structure is twenty-three by sixty feet, is heated by steam, and supplied with improved ventilating apparatus and other modern conveniences. Attached to this is a building twenty-four by thirty feet, which is designed to be used as a laboratory for plant study. The equipment thus provided furnishes much-needed facilities for study and research to all persons interested in plant life, and especially to students of horticulture.

GENERAL LIBRARY AND DEPARTMENTAL LIBRARIES.

The general library, occupying the second floor of the north wing of University Hall, is for the use of the whole University. All students who have matriculated may take out books, one volume at a time, and may keep them one week. Officers of the University have access to the shelves, and students engaged in advanced work, upon recommendation by their instructors, are allowed to have books reserved from those parts of the collection with which they are occupied. The reading room of the general library is a study hall for *collegiate* students only.

The leading high class periodicals (including magazines, reviews, and various technical monthlies) are taken, and bound as they accumulate. This vast fund of current literature is rendered more useful and accessible by Poole's Complete Index to periodic literature from 1802 to the present time. Forty-five magazines, thirty-five weekly, and seven daily, papers are received by the general library.

The general library contains over 9,000 books and 3,000 pamphlets, with a catalogue on cards, which is accessible to the public and consists of two parts, the one arranged by authors, the other by subjects.

In addition there are departmental libraries, open to advanced students engaged in research work, and in charge of the heads of the several departments. These special libraries contain the following numbers of volumes:

English and Modern Languages: U. H. 30; 675 bound books; 205 unbound books. PROFESSOR CARR.

Mathematics and Astronomy: U. H. 34; 306 books; 45 pamphlets. PROFESSOR DROKE.

Chemistry: Science Hall; 128 books; 140 journals; 950 pamphlets. PROFESSOR MUCKENFUSS.

Biology: U. H. 32; 250 books. PROFESSOR PICKEL.

Geology and Mining: U. H. 39; 1,227 books; 1,929 pamphlets. PROFESSOR PURDUE.

Civil Engineering: Eng. Hall; 200 books. PROFESSOR KNOCH.

Agriculture and Horticulture: Experiment Station; 1,768 books; 10,000 pamphlets; 35 journals. DIRECTOR VINCENHELLER.

Preparatory School: U. H. 12, 13, and 25; 180 books.

PROFESSOR KUYKENDALL.

Expression: U. H. 38; 75 books.

MRS. WHITE.

Thus the various branches of the University library contain 13,809 books and 16,129 pamphlets.

DEPARTMENTAL LIBRARY OF ENGLISH AND MODERN LANGUAGES.

Those books which have been purchased with the funds of the department of English and modern languages, or have been presented to it in the way of donation or bequest, now form a *reference* library in room 30 of University Hall. By paying a deposit of twenty-five cents, students of the third and fourth year classes in

English and modern languages become entitled to keys to this library, and free access to its shelves. This collection of carefully selected volumes relating to the various phases of modern philology is an invaluable aid to advanced students. It is practically a private library for the individual student, and the laboratory of the department. The room is plainly but suitably furnished with settees, chairs, library table, and desk, and ornamented with the busts and portraits of authors and with other pictures of literary significance.

THE LABORATORIES, ETC.

In the laboratories of the University opportunities are afforded for practical instruction in chemistry, mineralogy, physics, botany, zoology, entomology, horticulture, and in civil, mechanical, electrical, chemical, and mining engineering.

Chemical Laboratories.

The laboratories for chemical work are six in number and are situated in Science Hall. The laboratory of general chemistry is furnished with desks capable of accommodating a hundred students. Each desk has a cupboard and drawers, and is provided with gas and water. The qualitative laboratory has desks for sixteen students. Each desk is provided with suitable conveniences for taking care of apparatus, and is supplied with all the common reagents. The rooms are provided with hoods, soapstone sinks, and other equipments usually found in chemical laboratories. The quantitative laboratory has suitable accommodation for sixteen students, with the usual equipments. Adjoining the quantitative laboratory is the weighing room, which contains three of

Becker's analytical balances, besides a number of less accurate instruments suitable for weighing large quantities of chemicals. The storerooms contain the distilled water outfit, and all the apparatus and chemicals, and are in charge of the janitor, who gives out the supplies. The other three laboratories, assay, organic, and commercial, are suitably equipped.

Physical Laboratory.

The first floor of Science Hall, with the exception of one lecture room, is devoted to physics. The laboratory for general physics is a room twenty by seventy feet, on the north side of the building. It contains tables and cases for apparatus. For advanced physics a separate room is provided and equipped with cases for apparatus, wall brackets for galvanometers, and pillars built separately from the floors to avoid vibrations. The physical lecture room is adjacent to the storeroom, where most of the apparatus is stored.

Biological Laboratory.

The biological laboratory is located on the third floor of University Hall, and has accommodation for about forty students. The laboratory is furnished with work tables, a sink, and the necessary gas fixtures for incubators, sterilizers, etc., also an aquarium for keeping aquatic animals and plants on hand for observation and study. The equipment in apparatus consists of Bausch and Lomb compound microscopes, dissecting microscopes, microtomes, and such other apparatus and chemicals as are needed for practical work in biology. There is a collection of insects, and also apparatus for collecting, drying, preserving, and mounting insects. The

laboratory has a number of skeletons of different animals, and models and charts for teaching plant and animal anatomy.

Laboratories of Geology and Mining Engineering.

The geological laboratory is provided with aneroid barometers, compasses, hand-levels, pedometers, etc., for field work, two petrographic microscopes, and an excellent equipment of drawing apparatus for the construction of geological sections and topographic maps; also, with apparatus for the construction of relief maps.

There is a well-equipped laboratory for determinative mineralogy, and a room for the preparation of relief maps and other work connected with the department of geology.

Mechanical Engineering Laboratory.

The laboratory contains the following machinery: One 15-horsepower vertical boiler; one 10-horsepower slide-valve steam engine; one 10-horsepower Hamilton gasoline engine; one 35-horsepower Westinghouse compound steam engine; one 3 x 4 duplex steam pump, and one 60,000-pound Rheile testing machine.

The laboratory is well provided with apparatus for experimental work, including steam calorimeters, engine indicators, and counters, injectors, thermometers, pressure gauges, measuring tanks, feed-water heaters, condensers, etc.

The steam boilers used for heating the University buildings are arranged so as to be available for experimental work, and the shop engine, a Corliss, is also used for purposes of instruction.

Electrical Laboratories.

The dynamo laboratory affords excellent facilities for experimental work with practical machinery. It is located in the east end of the basement of Engineering Hall.

The power is supplied by a 30-horsepower, vertical type, double cylinder, gasoline engine. A 60-cell, 300 ampere-hour storage battery supplies current for experiments in which an absolutely steady power is desired.

There are direct current dynamos and motors, of the constant current and constant potential types. Single, two and three phase alternators supply current at various voltages and frequencies. There are transformers, converters, synchronous and induction motors, with a liberal supply of measuring instruments for use with the various machines.

The senior laboratory is located on the first floor of Engineering Hall, and is supplied with direct current at 110, 220 and 500 volts. Alternate current, single phase, at 50, 100 or 200 volts and 60 cycles. Two phase, 60 cycle at 110 or 220. Three phase at 110 or 220 volts, with a frequency of 60 to 133 cycles per second. A high tension testing transformer supplies current at any voltage up to 120,000 volts for testing of insulators, while standard cells, a Kelvin balance and a potentiometer furnish means for calibrating the laboratory measuring instruments.

The equipment enables students to carry on experimental work of a very wide range and to obtain proficiency in operating and testing electrical machinery.

Students are also permitted to inspect the plant of the Fayetteville Electric Light & Power Company, and

to take measurements and make tests on it. Their primary mains supply our laboratory with alternate current at 60 cycles and 2,000 volts.

The photometric laboratory, which also serves as a photographic and X-ray dark room, is supplied with a standard photometer bar, Lummer-Brodhun screen and Amylacetate lamp. It is connected by cable with the switch-boards in the storage battery room and in the dynamo room.

Civil Engineering Laboratory and Equipment.

The instrument laboratory for this department is located on the first floor of Engineering Hall, and is provided with all the necessary instruments for work in land, railroad and city surveying and office work. The equipment of field instruments has been selected so as to afford students the opportunity of becoming familiar with the instruments of the different manufacturers. Among the instruments there are a number of engineers' transits and Y levels, theodolites, transit with solar attachment, compasses, hand levels, standard and ordinary steel tapes, plane tables, sextant, aneroid and mercurial barometers, etc. An equipment for practical astronomy has been added, consisting of a large alt-azimuth, reading to seconds by levels and micrometers; a sidereal clock with break-circuit attachment; and a chronograph reading to tenths of seconds.

Cement Laboratory.

The laboratory for cement and hydraulic work is situated in the northwest corner of the basement in Engineering Hall, and occupies a well-lighted room having a floor space of 2,450 square feet. It has cement

floor with floor drains to facilitate work in experimental hydraulics. and is provided with piers built up from the ground for use with delicate instruments.

The equipment for the purpose of testing the strength of mortars and cement, includes one 2,000-pound tensile testing machine, one 1,000-pound automatic machine, Vicat's and Gilmore's needles, brass molds for briquettes, compression and transverse test pieces, storage tanks, sieves, steaming apparatus for blowing tests, apparatus for accelerated tests, specific gravity, etc.

A 4,000-pound tensile machine for testing steel, and a 5,000-pound machine for testing transverse strength of bars, etc., have recently been added to the equipment. The laboratory also contains a large foundry rattler and other equipment for testing stone and brick for paving purposes.

For work in hydraulics there are weir tanks, weir plates, water meters, water wheels, turbines, etc.

The laboratory is provided also with a complete blue-printing outfit, consisting of printing frames, washing tanks, etc.

SHOPS.

The machine shop contains a Corliss engine, which runs the machinery in the whole building, a large iron planer, a shaper, four lathes of different sizes and makes, drill press, two grinding machines, milling machine, and a good supply of hand tools, benches and materials.

The forge shop contains eight Buffalo forges with down draft which takes the smoke away through underground pipes, thus avoiding the smoke and dirt of the ordinary blacksmith shop. It also contains a shearing and a punching machine, eight anvils of different weights, and all the necessary blacksmith tools for the eight forges.

The wood shop contains one buzz planer, one large cylinder planer, circular saw, band saw, mortising and boring machine, five smaller lathes, one 18-inch pattern-maker's lathe, and twenty-six benches, each equipped with a complete set of carpenter's tools.

The foundry contains one Colliau cupola with a capacity of one and one-half tons of iron per hour, one brass furnace of 150 pounds capacity, a Buffalo pressure blower, and a coke oven.

The boiler room contains three 70-horsepower boilers, feed pump, injectors, measuring tanks, etc.

The various departments of the shop building afford facilities for giving practical instruction to fifty students at one time.

Among the facilities for instruction in engineering contained in the equipment of the mechanical department in addition to the shop equipment may be mentioned: A Dean steam pump with air chamber, water and steam cylinders, and valve chambers sectioned, so that a student may see the working parts; a Cameron steam pump with a steam cylinder sectioned, showing the valve motion; a Knowles pump in full working order; a Blake steam pump in section; sections of injectors; a model of Stevenson's link motion; and a collection of samples of manufactured articles, such as steam pipe coverings, leather beltings, lubricating oils, etc.

MECHANICAL ENGINEERING DRAWING ROOM.

The equipment includes the usual tables and stools; and among the special apparatus and instruments may be mentioned the planimeter, odontograph, slide rule, etc. A blue-print room contains complete facilities for the details of the blue-print process. One room is provided

with photographic facilities, which will be used to prepare lantern slides and prints illustrating various branches of engineering.

PHYSICAL CULTURE ROOM.

A large room on the north wing of University Hall is set apart for the use of the department of physical culture. This room has been furnished as far as means were available with the equipment necessary for systematic physical training.

THE ARMORY

The armory is a large well-lighted room, sixty by eighty feet, occupying the entire basement of the north wing of University Hall. It is substantially fitted up with arm racks, compartments for equipments, and other conveniences. Two adjacent rooms are assigned to the military department, and are used as band room and storeroom.

The equipment of the department consists of 300 Springfield cadet rifles, of the same model as those used at the United States Military Academy at West Point, 300 sets of infantry equipments, twenty-seven cadet swords (West Point Pattern), national colors, flags, signal equipment, ammunition, etc., and a superior set of band instruments.

The arms and equipments are furnished the University by the general government. The other equipments have been purchased by the University and belong to the military department. The equipment is sufficient for a battalion of 400 cadets.

THE MUSEUM.

The museum occupies the fourth floor of the south wing of University Hall. Large additions have been

made to its equipment with a view to facilitate instruction in geology and biology, and also to make it of increased interest to the visiting public. That portion of the collection suitable for display is arranged in glass cases, while the working collection is in drawers. Four sloping-top cases with drawers beneath afford space for several thousand specimens.

Relief Maps. For illustration in geology and general interest to the public, there have been placed in the museum the following relief maps: geological relief maps of the State of Arkansas, Colorado Cañon, central Tennessee and the United States; a convex relief map of the United States on a section of a globe sixteen feet in diameter; a relief map of Carmel Bay, California; Ice Spring Craters, Utah; Yosemite Valley, Palestine, Mount Vesuvius, the State of California, and San Francisco Peninsula. Other maps are in preparation at the University.

The Mineral Collection. The mineral collection contains about 2,000 specimens, representing the different mineral groups. Many of these specimens are displayed in cases.

The Petrographic Collection. The most valuable part of this collection consists of the series furnished by the United States geological survey, representing sedimentary, igneous and metamorphic rocks. Besides this, there is a valuable collection of building and other stones from different parts of the country.

Paleontological Collection. There is a large collection of fossils in the museum, but as they have not yet been arranged and catalogued, the number of specimens cannot be even estimated.

The Major Earle Collection. Major F. R. Earle has deposited in the museum his private collection of minerals and fossils. The collection was formerly in Cane Hill College.

The Zoological and Botanical Collection. This collection consists of 200 birds and mammals, representing eighty species; 200 reptiles and amphibians, representing forty species; 1,500 fishes, representing 350 species; 1,000 insects and other invertebrates, representing 200 species; several skeletons.

Donations to the museum will be gratefully acknowledged, and the donors may be sure that anything of value sent to it will be carefully preserved and duly credited to the donor. Collections in the hands of private parties are likely to be soon scattered and destroyed through lack of care or improper handling. The museum is now prepared to receive collections on deposit, and to preserve and to display them under the owner's name until called for.

While the museum is most important on account of its educational value, it at the same time serves an important purpose in representing the resources of this State.

ATHLETIC FIELD.

For the accommodation of the University football and baseball teams and spectators there is an excellent athletic field with a covered grandstand.

Admission to the College.

***GENERAL CONDITIONS OF ADMISSION.**

Candidates for admission are urged to be present on the opening day of the session. Admission at a later date is not refused, but it is attended with greater or less inconvenience.

Students on their arrival at Fayetteville should report promptly to the president. Needless delay in reporting or unseemly conduct may justify exclusion from the University.

Applicants should present certificates of honorable discharge from the school last attended, or furnish other testimonials of good moral character.

Entrance examinations will be required of all students entering the University, except those who bring certificates from accredited preparatory schools or from other reputable colleges or universities. For the time at which these examinations will be held, see page 57.

ADMISSION TO THE FRESHMAN CLASS.

The requirements for admission to the Freshman class consist partly of constants, or required subjects, and partly of electives. At present a student must present for admission to the B. A., B. S., and Normal courses thirty-one credits; to the engineering courses, twenty-four credits. One credit is regarded as the equivalent of one recitation of sixty minutes, or two recitations of thirty minutes each, in a study for a school year of thirty-six weeks. Below will be found a detailed statement of the requirements for admission to the different courses:

*For terms of admission to the preparatory department see page 64.

FOR THE B. A., B. S., AND NORMAL COURSES.**Required:**

- English, 8 credits.
- Algebra, 5 credits.
- Plane Geometry, 4 credits.
- United States History, 3 credits.
- General History, or Greek and Roman History, 3 credits.
- Total, 23 credits.

Required in addition, 8 credits selected from the following groups:

GROUP A.

- Latin, 8 credits.
- Greek, 8 credits.
- French, 8 credits.
- German, 8 credits.

GROUP B.

- Physical Geography, 2 credits.
- Physiology, 2 credits.
- Botany, 2 credits.
- Zoology, 2 credits.
- Physics, 2 credits.
- Chemistry, 2 credits.
- English History, 2 credits.
- Civil Government, 2 credits.
- Bookkeeping, 2 credits.
- Freehand Drawing, 2 credits.
- Manual Training, 2 credits.
- Mechanical Drawing, 2 credits.

Candidates for the B. A. degree will be required to present eight credits from group A, all in one language.

Candidates for the B. S. degree, or for the Normal course, will be required to present eight credits selected from group A or B, or both.

FOR THE ENGINEERING COURSES.**Required:**

- English, 8 credits.
- Algebra, 5 credits.
- Plane Geometry, 4 credits.
- United States History, 3 credits.
- Total, 20 credits.

Required in addition, 4 credits selected from any one of the subjects in A or any two in B.

ENTRANCE EXAMINATION SUBJECTS.

The following is a statement of the work in the different subjects, both required and elective, upon which the college entrance examinations will be based:

English.*Eight Credits.*

I. *Composition.* The candidate will be required to write a composition upon one of several topics, drawn in 1905 from the following works:

Shakspere's *Merchant of Venice* and *Julius Caesar*; *The Sir Roger de Coverley Papers* in the *Spectator*; Goldsmith's *Vicar of Wakefield*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe*; Carlyle's *Essay on Burns*; Tennyson's *Princess*; Lowell's *Vision of Sir Launfal*; George Eliot's *Silas Marner*.

In 1906, 1907, and 1908 the topics for composition will be drawn from the following works:

Shakspere's *Merchant of Venice* and *Macbeth*; *The Sir Roger de Coverley Papers* in the *Spectator*; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *Lady of the Lake*; Tennyson's *Gareth and Lynett*, *Lancelot and Elaine*, and *Passing of Arthur*; Lowell's *Vision of Sir Launfal*; Eliot's *Silas Marner*.

II. *Careful Study.* A certain number of books will be prescribed for careful study. This part of the examination will be upon subject-matter, literary form, and logical structure, and will also test the candidate's ability to express his knowledge clearly and accurately. The books prescribed for this part of the examination in 1905 are:

Shakspere's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

In 1906, 1907, and 1908 the books prescribed for this part of the examination are:

Shakspere's *Julius Caesar*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison*, and *Essay on Boswell's Life of Johnson*.

The candidate is expected to read intelligently all the books mentioned in I. He should read them as he reads other books;

he is expected, not to know them minutely, but to have freshly in mind their most important parts. In every case knowledge of the book will be regarded as less important than ability to write English. As additional evidence of preparation, the candidate may present an exercise-book, properly certified by his instructor, containing compositions or other written work.

While there is no formal examination in grammar or rhetoric, no candidate will be accepted in English, whose work is seriously defective in point of spelling, grammar, idiom, punctuation, or division into paragraphs.

In connection with the reading and study of the prescribed books, parallel or subsidiary reading should be encouraged, and *a considerable amount of English poetry should be committed to memory.*

Algebra.

Five Credits.

To simultaneous quadratic equations, with special attention to factoring, the theory of exponents, and radicals.

Plane Geometry.

Four Credits.

All of plane geometry will be required for admission to the Freshman class.

United States History.

Three Credits.

The completion of Montgomery's Leading Facts or an equivalent.

General History.

Three Credits.

The completion of Meyers's General History or an equivalent.

History of Greece and Rome.

Three Credits.

The completion of Meyers's History of Greece, and Meyers's History of Rome, or equivalent.

English History.

Two Credits.

The completion of some good History of England, like Montgomery's or Larned's.

Latin.

Four Credits.

(a) First Latin Book complete; Text-book: Collar & Daniell, Bennett, or an equivalent.

(b) Caesar and prose composition. Four books of Caesar, with twenty-five lessons in Bennett's Latin Composition, or the equivalent.

Greek.*Four Credits.*

(a) The completion of White's Beginner's Greek, or an equivalent.

(b) Three books of Xenophon's Anabasis, with the whole of Collar & Daniell's Greek Prose Composition.

Elementary German.*Four Credits.*

The examination will be suited to the proficiency of those who have had the equivalent of German 1 (see page 95 of this catalogue), and will test (a) the candidate's knowledge of the rudiments of German grammar; (b) ability to read easy prose at sight, and (c) to translate simple English sentences into German. The candidate should have read two hundred pages of easy prose.

Advanced German.*Four Credits.*

The examination will be suited to the proficiency of those who have had the equivalent of German 2 (see page 95 of this catalogue), and will test the candidate's ability to read (a) modern German prose and poetry at sight, and (b) to translate easy English narrative into German. The candidate should have read three hundred and seventy pages of the works of Riehl, Freytag, Heine, Lessing, Goethe, and Schiller, and thirty pages of lyrics and ballads.

Elementary French.*Four Credits.*

The examination will be suited to the proficiency of those who have had the equivalent of French 1 (see page 96 of this catalogue), and will include (a) the translation at sight of ordinary nineteenth century prose; (b) the translation from English into French of sentences to test the candidate's familiarity with elementary grammar. The candidate should have read three hundred pages of simple prose.

Advanced French.*Four Credits.*

The examination will be suited to the proficiency of those who have had the equivalent of French 2 (see page 96 of this catalogue), and will test the candidate's ability (a) to translate standard French prose and poetry at sight, and (b) to turn easy English prose into French. The candidate should have read six hundred pages in the works of such authors as Daudet, Loti, Sandeau, Corneille, Racine, and Molière.

Chemistry.*Two Credits.*

Remsen's Chemistry (Elementary Course), Freer's Elements of Chemistry, or Hessler & Smith's Essentials of Chemistry, or an equivalent; sufficient apparatus for the teacher to perform all the experiments.

Physics.*Two Credits.*

Gage's Elements of Physics, Appleton's School Physics, or Hall & Bergen's Physics, or an equivalent; sufficient apparatus for the teacher to perform all the experiments.

Physical Geography.*Two Credits.*

Davis's Physical Geography, or Gilbert & Brigham's Physical Geography, or an equivalent.

Physiology.*Two Credits.*

Martin's Human Body, elementary course, or an equivalent.

Botany.*Two Credits.*

Gray's Lessons in Botany and Vegetable Physiology, or an equivalent.

Zoology.*Two Credits.*

Packard's Zoology, elementary course, and Boyer's Laboratory Guide, or an equivalent.

Civil Government.*Two Credits.*

McLeary's Civil Government, and Arkansas and the Nation, or an equivalent.

Bookkeeping.*Two Credits.*

Credits in bookkeeping will be given upon the certificate of the instructor stating the amount of work done, when accompanied by a complete set of practice books in double entry, satisfactorily written up.

Free-Hand Drawing.*Two Credits.*

Drawings from models and machine parts, or credit may be given on good art drawings.

Shop Work.*Two Credits.*

Credits in manual training, carpentry, machine shop, forge shop or foundry will be accepted.

ORDER OF EXAMINATIONS FOR ADMISSION IN 1905.

Wednesday, September 20.—9 a. m., registration of students; 1 to 3 p. m., Geometry.

Thursday, September 21.—1 to 4 p. m., Algebra.

Friday, September 22.—1 to 4 p. m., Latin.

Saturday, September 23.—9 a. m. to 12 m., English Composition and Literature; 1 to 2:30 p. m., United States History; 2:30 to 4 p. m., General History.

The order of examinations in other subjects will be announced at the opening of the University.

EXAMINATIONS AT PLACES OTHER THAN FAYETTEVILLE.

Students living at a distance from the University may obtain special examinations near their homes, if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school, or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

ADMISSION BY CERTIFICATE.

The graduates of accredited schools are admitted to the Freshman class in the University without examination, provided, in all cases, certificates from the principal of the school attended be presented, containing specific statements of the kind and extent of work done in the studies in which credits are desired. Blank forms for such certificates will be furnished by the University. Students from schools regularly accredited to other reputable colleges and universities will be admitted to the Freshman class without examination, *provided* they present evidence that such schools are duly accredited

and that they have completed the work required for admission to the Freshman class of this University in the courses which they desire to take.

A student who presents a certificate of scholarship from a high school, academy, or college not on the list of accredited schools, is required to take such examinations as may be prescribed. The result of such examinations, together with the certificates, will be passed on and proper credit allowed by the professors of the departments which such student proposes to enter.

ADMISSION TO ADVANCED STANDING.

Candidates for admission to classes in advance of the Freshman will be required to pass satisfactory examinations in the subject previously pursued by the class which they propose to enter. But such candidates coming from colleges or universities of good standing, may, on the presentation of the proper certificates as to the studies pursued, be admitted provisionally to such standing and upon such terms as the faculty may deem equitable in each case.

ACCREDITED SCHOOLS.

Any school desiring accredited relations with the University should make application to the accredited school committee. The application should state clearly the text-books used, the length of the school term and of recitation periods, equipments such as library and scientific apparatus, the names of teachers doing high school work, with their qualifications as shown by education and experience. When this information is received, the University will, if it is deemed best, send an officer of the institution or some other competent person to inspect the school; and from the data secured

from all sources the University will decide whether or not the school shall be accredited. But as the University has neither funds nor an officer set apart for this purpose, delays may occur in visitation; the authorities, however, will be as prompt in the matter as possible.

The principals of accredited schools should report annually all changes in course of study and teaching force. The University may visit an accredited school or may call for information at any time. Failure to keep the University informed regarding the school may be the occasion of dropping the same from the list. To prepare for the Freshman class the course of study should not be less than three years of thirty-six weeks each, based on an elementary course of seven or eight years. The University looks with distrust upon pretentious schools; and, if the course of study announced by a school applying for accredited relations is more than the teaching force can well do, that fact will prejudice the cause of the school.

LIST OF ACCREDITED SCHOOLS.

Below is given a list of schools already accredited. New names are added from time to time. No effort is made in the list given below to classify the schools. Some of them do more work than is required for entrance; while others fall short of meeting entrance conditions in one or two subjects. A record is kept by the University of the subjects in which each school is accredited.

SCHOOL.	PRINCIPAL.
Amity High School.....	S. M. Samson.
Argenta High School.....	C. P. Baker.
Arkansas Cumberland College.....	Edwin H. Tiles.
Arkansas Military Academy.....	R. C. Hall.
Batesville Public Schools.....	I. C. Gibson.

SCHOOL.	PRINCIPAL.
Bellefonte High School.....	W. D. Jeter.
Bentonville Academy.....	E. E. Bagwell.
Camden High School.....	H. H. Harper.
Clarendon High School.....	J. McCullough.
Corning High School.....	W. W. Henry.
El Dorado High School.....	A. H. Abbott.
Eureka Springs High School.....	C. S. Barnett.
Fordyce Training School.....	M. E. Holderness
Fort Smith High School.....	H. C. Morrison.
Green Forest Academy.....	
Hamburg High School.....	J. R. McChesney
Harrison High School.....	C. L. Scott.
Helena High School.....	S. H. Spragins
Hinemon University High School...	J. W. Shewmake
Hope High School.....	D. F. Paisley.
Hot Springs High School.....	G. B. Cook.
Little Rock High School.....	H. Gates.
Lonoke High School.....	A. J. Meadors.
Malvern High School.....	R. H. Freeland.
Marianna High School.....	J. H. Andrews.
Morrilton High School.....	C. L. O'Daniel.
Mountain Home Academy.....	L. A. Morton.
Newport High School.....	G. R. Hopkins.
Paris Academy.....	G. S. Minmier.
Paris (Tex.) High School.....	J. P. Downer.
Pine Bluff High School.....	J. H. Thatch.
Prairie Grove High School.....	J. H. Caldwell.
Southwestern Academy, Magnolia...	S. H. Lucas.
Springdale High School.....	M. F. Croxdale.
Stephens High School.....	J. P. Womack.
Stuttgart High School.....	G. G. Sampson.
Texarkana High School.....	W. S. Horton.
Thompson's Classical Institute, Para- gould.....	R. S. Thompson.
Van Buren High School.....	A. V. Hamilton.
Western Military Academy, Upper Alton, Ill.....	A. M. Jackson,

GENERAL INFORMATION.

SELECTION OF COURSES OF STUDY.

Students are allowed all reasonable freedom in choosing their courses of study. But they are required to pursue their studies in the order prescribed, and, when candidates for a degree, to complete, as a condition of graduation, all the subjects in the course leading to such degree. Changes in the course of study selected are discouraged, but for sufficient reasons are allowed if made within three weeks after admission; subsequently no such change can be made during the session except by the express permission of the faculty.

NUMBER OF RECITATIONS.

Not less than twelve nor more than sixteen recitations or their equivalent per week, exclusive of military science and tactics, may be taken by B. A. and B. S. students, except by permission of the faculty. These conditions apply to engineering students, except that they may have not more than eighteen recitations a week. Two hours of laboratory, shop or farm work, drawing or sight reading, are counted equivalent to one recitation. If fewer than twelve recitations or their equivalent per week are specified in any course, studies must be elected to make up the deficiency.

CLASSIFICATION OF STUDENTS.

The satisfactory completion of the work of a class as attested by daily recitations and examinations is the condition of enrollment in a higher class. Some margin, however, is allowed for making up studies in arrears. But more than six hours per week required for such

studies or more than six hours per week omitted from the studies of a given class prevent enrollment therein, except that in the engineering courses the number in both cases may be as many as eight. No student who has more than six hours per week of unfinished preparatory work can be classified as Freshman.

SPECIAL STUDENTS.

1. Students are advised to pursue, in all cases in which it is practicable, some one of the regular courses leading to a degree. The number of these courses and the liberal provision for electives allow sufficient play for individual preference in the selection of subjects required for a liberal and well rounded education.

2. Students who are not candidates for a degree, but who have completed all the studies below the Freshman class, may elect a special course of study under the supervision of the classification committee and with the approval of the professors in charge of the subjects chosen.

3. Persons not under twenty-one years of age may elect a special course of study under the direction of the faculty, provided they show by examination or otherwise that they are qualified to pursue profitably the studies which they propose to take up.

4. Students in special courses are subject to the same regulations and to the same examinations in the studies pursued as all other undergraduate students.

MID-YEAR AND FINAL EXAMINATIONS.

1. Examinations, chiefly in writing, are held near the end of each term. The grades are determined by combining the values of the daily recitations and of the examinations, and are divided into four groups, as follows:

Excellent (E); Good (G); Fair (F); Poor (P). A grade not lower than F is required for a "pass," which is the equivalent of about 75 per cent. At the end of each term a report is made to the parent or guardian of each student showing his progress, general conduct, etc.

2. If a student has failed in any study, he may nevertheless be allowed to take up the next study in advance, provided he be deemed by the professor in charge of the department to which the study belongs not incompetent to pursue it; but he will be required to pass a satisfactory examination in the study in which he failed, or take it up with the next class.

3. If a student has proved competent to continue his advanced work, but has not completed all the preceding studies in his course, he must resume the latter, and if he be found to be overworked, he will be required to drop a part of his advanced work.

APPOINTMENT OF BENEFICIARIES.

Beneficiary appointments entitle the holders to free tuition. Such an appointment may be obtained from the county judge of the county in which the student resides, or from the president on arrival at the University. The total number of beneficiaries allowed to the state is 1,000, a number that is still in excess of the number of holders of these appointments.

EXPENSES.

It is the object of the University to give the best possible education at the lowest possible cost. Tuition is free to all students. A matriculation fee of five dollars is charged all candidates for admission. The following estimates are taken from the actual expenses of students for the session of 1901-1902:

	Low.	Medium.	Liberal.
Clothes, including uniform.....	\$ 20 00	\$ 25 00	\$ 45 00
Board, laundry, etc.....	95 00	112 00	135 00
Books, instruments, etc.....	10 00	15 00	15 00
Incidentals.....	15 00	25 00	35 00
Matriculation Fee.....	5 00	5 00	5 00
	<hr/> \$145 00	<hr/> \$182 00	<hr/> \$235 00

Fees are payable in advance. Board bills are payable monthly in advance.

A diploma fee of five dollars is charged for all graduates. All dues are to be paid or satisfactorily adjusted before diplomas are conferred.

STUDENT LABOR.

A large part of the student body work during vacant hours to meet part of their expenses.

The general assembly has established a student labor fund, which provides work for deserving young men who need help to meet their college expenses. Considerable manual labor is necessary to carry on the various departments of the University, and students who desire to work are employed when practicable and paid at the rate of ten cents per hour. The requests for work always exceed the amount of money appropriated, and the University makes no promises to furnish employment for wages to all who apply.

BOARD FOR YOUNG MEN.

Rooms in the University dormitories are free, but occupants provide their furniture, fuel, and lights. Students leaving the University frequently sell their furniture at a small reduction. If there are not rooms enough for all, preference is given to Arkansas students. An officer of the University is in charge of the building, and the rooms are inspected by the faculty whenever it is deemed necessary.

Students boarding elsewhere are under the supervision of the president of the University, and are allowed to board only at places approved by him. No student is allowed to change his boarding place without the consent of the president.

NOTE.—The reception committee of the Y. M. C. A. will meet all trains and assist the incoming students in finding eligible boarding places.

BOARD FOR YOUNG WOMEN.

Sufficient funds have not yet been secured to provide a dormitory for young women, but all necessary assistance is rendered them in finding homes in private families in the town. Parents, therefore, who send a daughter to the University, should place her under the control of the family with whom she boards, subject to the general supervision of the president of the University.

ABSENCES AND WITHDRAWALS.

Absences from the University during the session are not permitted except for valid reasons. The right of a parent to withdraw his son at any time, without reason assigned, is recognized, but without such withdrawal the student cannot be relieved of the obligation to attend to University duties. The incidental absences of students during the session are exceedingly disadvantageous, both to themselves and to the University. While, therefore, the president permits them, in cases where propriety or urgent necessity seems to make them unavoidable, it is held to be a duty to inquire into the reasons for which the permission is solicited.

Parents or guardians who wish to withdraw their children or wards from the University should write to the president stating their wishes. No honorable discharge will be given to a student under age who is unable

to produce the written application of his parent or guardian for his withdrawal, nor will an honorable discharge be given to a student under censure of any kind, whether for neglect of duty or other cause, even though he may have the consent of his parent or guardian to his withdrawal from the University.

SALE OF ARDENT SPIRITS PROHIBITED.

By an act of the general assembly of the state of Arkansas, approved March 6, 1875, it is unlawful for any person to sell or give away any vinous or ardent spirits within three miles of the University of Arkansas, unless they are prescribed by a regular practicing physician for medicinal purposes.

University Organizations.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

Object. The Young Men's Christian Association is the largest student organization in the University. It stands for higher spiritual life among the members, and for united effort to help others in the attempt to live consistent Christian lives.

Work. The distinctive work of the association consists in promoting individual study of the Bible by means of small classes under student leaders, in arranging various Bible lecture courses, in maintaining a weekly prayer service, held on Wednesday night from 6:45 to 7:30, in assisting, through some of its members, the work of the city mission, and in inviting eminent Christian workers to address the students on religious matters.

Bible Study. The Young Men's Christian Association offers the following courses in Bible study, open to

all students: (1) Harmony of the Gospels, and Studies in the Life of Christ; (2) Studies in the Life of Paul; (3) The Gospel According to St. Mark. The two courses last named are conducted by student leaders. Efforts are being made to establish classes in the large boarding houses out in town.

Y. M. C. A. Equipment. A room in University Hall, No. 17, is now being used by the association for committee work and incidental business. One of the literary society halls is used for the public services. A movement is on foot to furnish a suite of rooms for association work. These rooms, with the many conveniences they will have, will greatly facilitate the work of the association.

Membership. The membership of the association consists of two classes, active and associate members; any member of an evangelical church, who is in good standing, may become an active member of the association; any young man of good moral character may become an associate member upon payment of the annual dues.

Indorsement. The trustees and the faculty of the University heartily commend the work of the association, and it is earnestly desired that every parent or guardian see to it that the student under his care be encouraged to join the association as soon as he reaches the University.

YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

The Young Women's Christian Association, founded September 20, 1904, is an organization composed of sixty-two young women, seeking to develop their Christian character, and to win others for Christ.

Prayer meetings are held Saturday evenings, and the regular religious services Sunday afternoons. Fifty girls are enrolled in Bible and missionary study classes.

The association gives several entertainments during the year, endeavoring through these to arouse a spirit of friendship among all the young women. The members of the association will gladly assist in any way young women just entering the University.

LITERARY SOCIETIES.

There are three literary societies, the Mathetian, founded in 1873; the Garland, founded in 1886; and the Periclean, founded in 1901. The Mathetian society is composed of collegiate students of both sexes; the Garland and the Periclean societies, of male collegiate and preparatory students. The weekly meetings of the three societies afford excellent opportunities for improvement in composition, declamation, debate, etc.

THE RESEARCH CLUB.

The Research Club, composed of University professors and instructors, and members of the experiment station staff, has for its purpose the encouragement of original research work among its members. Meetings are held fortnightly, at which technical papers are read and discussed.

THE ENGINEERING CLUB.

This organization is composed of teachers and students of the various branches of engineering in the University. Regular meetings are held, at which technical papers are read and discussed, or experiments performed.

ELECTRICAL ENGINEERING SOCIETY.

The University of Arkansas Branch of the "American Institute of Electrical Engineers," which was established at the University last year, holds regular meetings on the first and third Tuesdays of each month.

Original papers are read, and advance copies of papers to be presented at the Institute meetings in New York are read and discussed.

DEUTSCHER VEREIN.

The Deutscher Verein, organized December 15, 1904, is composed of University teachers and students. Its object is to encourage the use of spoken German and promote the study of German life and literature. Meetings are held fortnightly in private houses.

ENGLISH CLUB.

The English Club, founded February 9, 1905, consists of University teachers and advanced students of English. This society is now making a special study of dialect words. Papers relating to different phases of English philology are also read at the meetings, which occur every other Thursday.

ATHLETIC ASSOCIATION.

The purpose of this organization is to encourage the development of the physical man.

The association as originally formed consisted of the U. of A. Athletic Club, the U. of A. Tennis Club, the U. of A. Baseball Club, and the U. of A. Football Club; and it is further provided that if any other club, organized by the students of the University for the practice of any sport, game, or exercise, not already represented by one of the members of the association, shall make a written

application for membership in this association, and the said application shall be approved by the governing body of the association, the petitioning club shall become a member of the association, with all the rights and privileges pertaining to such membership.

Faculty Rules for the Government of Athletics.

RULE 1. No one shall participate in any sport as a member of a team representing the University, unless he be a *bona fide* student doing full work in a regular or special course as defined in the catalogue.

RULE 2. No person shall be admitted to any athletic contest who receives any gift, remuneration, or pay for his services on the college team.

RULE 3. No student shall be permitted to participate in any athletic contest who is found to be a delinquent in his studies.

RULE 4. The election of managers and captains of all athletic teams shall be subject to the approval of the faculty committee on athletics.

RULE 5. Before every athletic contest in which a University team is to be engaged, the captain of such team shall submit to the chairman of the faculty committee on athletics a list of the players eligible under the rules to participate in said contest. It shall be the duty of the captain to exclude all players from the contest except those so certified.

RULE 6. The faculty committee on athletics shall require each candidate for a team to represent the University to subscribe to a statement that he is eligible under the letter and spirit of the rules adopted by the faculty.

RULE 7. No person having been a member of a college athletic team during any year and having been

in attendance less than one college half year shall be permitted to play on any athletic team thereafter until he shall have been in attendance six consecutive calendar months.

Prizes.

THE WILLIAM JENNINGS BRYAN PRIZE.

A prize fund of \$250 has been bestowed upon the University through the liberality of Hon. W. J. Bryan, of Nebraska, and a prize named in his honor and consisting of the annual income of this fund will be offered each year, provided productions worthy of its bestowal be presented.

The prize will be awarded for the best essay on some topic relating to the problems of government, and the subjects for competition will be selected in the alternate years by the department of economics and sociology, and the department of history. The contest will be open to students who have junior or senior standing, more than half of whose work has been of the grade G, and to special students in the collegiate department who have thirty-two hours' credit of a similar grade.

The subject for the year 1905-1906 will be announced in September, 1905. Further details of the plans of competition may be obtained from the professor of history and political science. The competitive essay must be submitted by the first of May, 1906.

THE JOHNSON PRIZE.

Professor W. S. Johnson offers a valuable loving cup to be competed for in an oratorical contest open to the members of the three literary societies.

BROUGH DEBATING MEDAL.

Professor C. H. Brough, of the department of economics and sociology, offers a medal of the value of \$20, or \$20 in money, as a prize for excellence in debate, to be contested for by two representatives from each of the three literary societies of the University. Two debates are held during the session; one a formal, in which the speeches are prepared, and valued at 60 per cent; the other, an informal, in which the speeches are impromptu, and valued at 40 per cent. These debates are designed to train students of the University in the art of forensic speaking, and to promote a friendly rivalry between the literary societies.

PRIZE IN THE GARLAND SOCIETY.

Professor G. A. Cole offers the members of the Garland Society a prize for the greatest improvement in debate.

PRIZE IN THE PERICLEAN SOCIETY.

Miss Naomi Josephine Williams, instructor in the preparatory school, offers a prize for the best oration written and delivered by a member of the Periclean Society.

THE EDISON MEDAL.

The Edison Medal Association was founded by the friends and admirers of the great inventor, and in the language of the deed of gift, "was organized for the purpose of properly recounting and celebrating the achievements of a quarter of a century in the art of electric lighting, with which the name of Thomas Alva Edison is imperishably identified," and this purpose was given effect by the "establishment of an Edison medal, which

should, during the centuries to come, serve as an honorable incentive to the youth of America to maintain by their works the high standard of accomplishment set by the illustrious man whose name and features shall live while human intelligence continues to inhabit the world."

This medal is awarded each year by a committee of the American Institute of Electrical Engineers for the best thesis or record of research on theoretical or applied electricity or magnetism. Theses or records of research may be submitted by a graduating student from any college or university in the United States or Canada, whose course of study includes the branch of electrical engineering.

Chapel Exercises.

Religious exercises are held in the University chapel every morning at twenty minutes past eight. Students are required to attend.

Churches.

The churches of Fayetteville cordially welcome the students to their Sunday schools and various meetings for prayer and religious instruction. Many students are actively engaged in the work of the different church societies and guilds.

The pastors of the city are actively interested in the spiritual welfare of the students. There follows a list of the local churches and pastors, with the addresses of the latter:

Baptist.—Rev. J. E. Denham, 16 N. Locust Street.

Christian (First).—Rev. N. M. Ragland, 215 E. Dickson Street.

Christian (Second).—Rev. John Hinds, Hill Street.

Cumberland Presbyterian.—Rev. R. Thomsen, 308 St. Charles Street.

Methodist Episcopal.—Rev. J. F. Ross, cor. W. Rock and School Streets.

Methodist Episcopal, South.—Rev. P. C. Fletcher, 309 Highland Avenue.

Methodist Protestant.—Rev. J. H. Kilgore, Leverett Street.

Presbyterian.—Rev. J. F. Lawson, 4 E. Lafayette Avenue.

Protestant Episcopal.—Rev. Dr. Leman, 354 College Avenue.

Roman Catholic.—Father Patrick H. Boyle, 354 N. Willow Street.

Seventh Day Adventist.—

Degrees.

The following degrees are conferred by the University:

For undergraduate work:

- Bachelor of Arts (B. A.).
- Bachelor of Science (B. S.).
- Bachelor of Civil Engineering (B. C. E.).
- Bachelor of Mechanical Engineering (B. M. E.).
- Bachelor of Electrical Engineering (B. E. E.).
- Bachelor of Mining Engineering (B. Mi. E.).
- Bachelor of Chemical Engineering (B. Ch. E.).
- Bachelor of Science in Chemistry (B. S. C.).
- Bachelor of Scientific Agriculture (B. S. A.).
- Bachelor of Music (B. Mus.).

For graduate work:

- Master of Arts (M. A.).
- Master of Science (M. S.).
- Mechanical Engineer (M. E.).
- Civil Engineer (C. E.).
- Electrical Engineer (E. E.).
- Chemical Engineer (Ch. E.).

All the courses leading to the different bachelors' degrees are based on four years of collegiate work. The B. A. and B. S. courses are designed to give the student liberal culture; while the engineering courses are technical. The B. A. and B. S. courses are almost entirely

elective, certain safeguards and restrictions being thrown around the student's choice of electives; the technical courses necessarily consist principally of prescribed work.

For the announcements of the several collegiate departments, see pp. 88 to 133.

For the B. Mus. course, see pp. 146-47 of the announcement of the Conservatory of Music and Art.

Courses of Study for the Collegiate Degrees.

B. A. OR B. S. COURSE.

FRESHMAN.	Per- iods.	SOPHOMORE.	Per- iods.
English.....	*3	English.....	3
Mathematics.....	3	The Foreign Language pursued in Freshman year.....	3
A Foreign Language.....	3	Some study pursued in Fresh- man year.....	3
Elective.....	6	Elective.....	6

JUNIOR.	Per- iods.	SENIOR.	Per- iods.
Elective.....	15	Elective.....	15

Conditions.

1. Sixty points are required for graduation.
2. At or before the beginning of the Junior year the student shall elect a major subject, and 24 periods of the 60 required for graduation shall be subject to the approval of the professor in charge of the major subject. Not more than 18 periods may be taken in any subject, and not more than 36 periods in any group.
3. Candidates for the B. A. degree shall choose their major subject from group I., II., or III., and shall offer not fewer than 9 periods from each of these groups. Not more than 9 periods may be offered from group IV. In the foreign language pursued in the Freshman year the equivalent of two years' work must be offered for admission.

*NOTE.—A period means one recitation per week throughout a college year, or the equivalent in laboratory work.

4. Candidates for the B. S. degree shall choose their major subject from group II. or IV., and shall offer not fewer than 18 periods from one or both of these groups.

5. In the B. A. course the elective work of the Freshman and Sophomore years must include at least 3 periods from each of groups II. and III.

6. In addition to the above mentioned requirements, military science and tactics will be required of male students, or, whenever they are excused, one period per year in other work. One period per year in music, art, elocution, physical culture, or other work, will be required of female students.

Groups.

I. Greek, Latin, English, German, French, Spanish, Italian.

II. Mathematics, Astronomy, Chemistry, Physics, Geology, Biology.

III. History, Philosophy, Political Science, Economics, Sociology, Pedagogy.

IV. Mechanical, Civil, Electrical, Chemical, and Mining Engineering, Horticulture, Agriculture.

COURSE IN MECHANICAL ENGINEERING FOR THE DEGREE OF B. M. E.*

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics 1, 2.....	5	Mathematics 4, 5.....	5
English 1.....	3	Chemistry 1.....	3
Physics 1.....	3	Mechanical Drawing M. E. 2b..	2
Mechanical Drawing M. E. 2a..	2	Physics 2 or a Language.....	3
Shop Work.....	3	Shop Work.....	3
JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics 6.....	3	Machine Design M. E. 7.....	4
Machine Design M. E. 3.....	3	Mechanical Laboratory M. E. 8	2
Mechanics M. E. 4.....	4	Turbines and Pumps M. E. 9,	
Steam Machinery and Gas En-		first term.....	2
gines M. E. 5.....	3	Electrical Laboratory E. E. 5..	2
Mechanical Laboratory M. E. 6.	2	Electrical Machinery E. E. 7..	3
C. E. 1, first term; Physics 2a,		Elective*.....	4
second term.	2	Thesis, second term.....	

*All elective courses are subject to the approval of the professor of mechanical engineering.

COURSE IN CIVIL ENGINEERING FOR THE DEGREE OF B. C. E.

FRESHMAN YEAR.		Hrs. per week.	SOPHOMORE YEAR.		Hrs. per week.
Mathematics 1, 2.....	5		Mathematics 4, 5.....	5	
Chemistry 1.....	3		C. E. 2, 3, Surveying.....	3	
English 1.....	3		English 2, French, German or Spanish 1.....	3	
C. E. 8, Lettering.....	2		Physics 1.....	3	
C. E. 1a, Drawing.....	2		C. E. 1, Descriptive Geometry, first term.....	2	
			C. E. 4, Highway Constructoin, second term.....	1	
			Architectural Drawing, second term.....	1	
JUNIOR YEAR		Hrs. per week.	SENIOR YEAR.		Hrs. per week.
Mathematics 6, Calculus.....	3		C. E. 15, Field Practice.....	2	
M. E. 4 Mechanics and Hy- draulics.....	4		C. E. 14, Engineering Labora- tory, first term.....	2	
C. E. 5, Railroad Engineering..	2		C. E. 11, Sanitary Engineering, first term.....	2	
C. E. 6, Field Practice.....	2		C. E. 12, Technical Drawing....	2	
C. E. 8a, Technical Drawing....	2		C. E. 13, Waterworks Engineer- ing, second term.....	3	
*Elective.....	4		C. E. 9, Masonry Construction, first term.....	2	
			C. E. 10, Roofs and Bridges....	4 & 3	
			Geology 5, Blowpipe Analysis, second term.....	2	
			Elective*.....	3	
			Thesis.....	.....

*Electives can be taken only on the approval of the professor.

**COURSE IN ELECTRICAL ENGINEERING FOR THE DEGREE OF
B. E. E.**

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics 1, 2; Solid Geom- etry; Trigonometry, Algebra... English 1; English Composition... Physics 1; General Physics..... E. E. 3a, Drawing..... M. E. 1d, b Shop Work.....	5 3 3 2 2	Mathematics 4, 5; Analytic Ge- ometry, Calculus, Algebra.... Chemistry 1; General Chemistry Physics 1a; Precision of Meas- urements..... Physics 1b; Laboratory Work.. Physics 2; Extension of Course 1 M. E. 1c, e, Shop Work..... C. E. 1, Descriptive Geometry..	5 3 1½ 1½ 2 2 2
JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics 6, 9; Calculus, Dif- ferential Equations..... English 2, or French 1, or Ger- man 1, or Spanish 1..... E. E. 7, Dynamo Electric Mach- inery..... Physics 2a, Laboratory Work.. E. E. 3, Technical Drawing... M. E. 4, Mechanics and Hy- draulics.....	3 3 3 2 2 4	E. E. 8, Alternate Current The- ory; and E. E. 9, Polyphase Electric Currents..... E. E. 6, Electric Laboratory... E. E. 4, Technical Drawing.... E. E. 11, Telegraphy and Tele- phony..... M. E. 5, Steam Machinery, first term; and Chemistry 14, Electro-Chemistry, second term..... M. E. 6, Mechanical Laboratory, first term; and E. E. 10, Electric Railways, second term..... Elective..... Thesis.....	3 2 2 2 3 2 2

COURSE IN CHEMICAL ENGINEERING FOR THE DEGREE OF B. CH. E.

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics 1, 2; Solid Geometry, Trigonometry, Algebra, Analytic Geometry.....	5	Mathematics 4, 5; Algebra, Analytic Geometry, Calculus.	5
Chemistry 1; General Chemistry	3	English 2; Advanced Composition.....	3
English 1; Elementary Composition.....	3	Chemistry 2; Inorganic Chemistry.....	2
M. E. 1b, c, d; Founding, Forging, Pattern Making.....	3	Chemistry 3a; Elementary Qualitative Analysis.....	3
M. E. 2, Drawing.....	2	Physics 1; Elementary Physics.	3
		Physics 1a; Measurements of Precision, second term.....	1
		M. E. 1e; Iron Working.....	1

JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics 6; Calculus, first term.....	3	Chemistry 7a; Advanced Quantitative Analysis.....	3
Chemistry 4; Organic Chemistry	4	Chemistry 8; Theoretical Chemistry.....	2
Chemistry 5; Elementary Quantitative Analysis.....	3	M. E. 5; Steam Machinery.....	3
M. E. 3; Elementary Machine Design.....	3	E. E. 5; Electrical Laboratory..	2
M. E. 4; Mechanics and Hydraulics.....	4	C. E. 11; Sanitary Engineering, first term.....	2
Physics 1b; Laboratory Work..	1½	Chemistry 9; Assaying, second term.....	3
Geology 5b; Mineralogy, second term.....	3	Chemistry 13; Water Analysis, first term.....	3
		Thesis, second term.....	2

SPECIAL CHEMICAL COURSE FOR THE DEGREE OF B. S. C.

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics 1; Solid Geometry, Trigonometry, Analytic Geometry.....	3	French 1; Elementary Course...	3
Physics 1; Elementary Physics.	3	English 2; Advanced Composi- tion.....	3
Chemistry 1; Elementary Chem- istry.....	3	German 2; Prose and Poetry...	3
English 1; Elementary Composi- tion.....	3	Chemistry 2; Inorganic Chemis- try.....	2
German 1; Elementary Course..	3	Chemistry 3a; Elementary Qual- itative Analysis.....	3
		Economics 1; Principles of Eco- nomics; first term.....	3
		Chemistry 3b; Advanced Quali- tative Analysis; second term.	3
		Physics 1a; Measurements of Precision; second term.....	1

JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Philosophy 1; Psychology; first term.....	3	Chemistry 7a; Advanced Quan- titative Analysis.....	3
Geology 5b; Mineralogy; second term.....	3	Chemistry 8; Theoretical Chem- istry.....	2
Chemistry 4; Organic Chemistry	4	Biology 4; Bacteriology; first term.....	4
Chemistry 5; Elementary Quan- titative Analysis.....	3	Biology 8; Physiology; second term.....	4
Physics 1b; Laboratory Work..	1½	Geology 7; Economic Geology, first term.....	3
German 3a; History of German Literature.....	3	Chemistry 7b; Special Quantita- tive Methods; second term...	3
History 4; State and National Governments.....	3	Chemistry 13; Water Analysis, first term.....	3
		Electrical Engineering 2; Elec- trical Measurements; second term.....	2
		Chemistry 9; Assaying; second term.....	3
		Thesis; first term.....	2

COURSE IN MINING ENGINEERING FOR THE DEGREE OF B. M. E.

FRESHMAN YEAR.	Cr.	SOPHOMORE YEAR.	Cr.
Chemistry 1; General Inorganic Chemistry.....	3	Chemistry 3; Qualitative Analysis.....	3
Physics 1; Lectures in General Physics.....	3	Physics 1a; Precision of Measurements, two hours first term.....	1
Mathematics 1, 2; Solid Geometry, Trigonometry, Algebra.....	5	Physics 1b; General Laboratory.....	1½
English 1; English Composition.....	3	Mathematics 4, 5; Analytical Geometry, Algebra, Calculus.....	5
C. E. 1; Descriptive Geometry, two hours first term.....	1	Geology 2; General Geology.....	3
C. E. 1a; Special Drawing and Applications of Descriptive Geometry, two hours first term.....	2½	Geology 5; Crystallography, Mineralogy, and Blowpipe Analysis.....	3
..... three hours second term.....		Mining 1; Elementary Study of Mining Methods, two hours second term.....	1

JUNIOR YEAR.	Cr.	SENIOR YEAR.	Cr.
Chemistry 2b; Advanced Inorganic, two hours first term....	1	Chemistry 5; Quantitative Analysis.....	3
Chemistry 9; Assaying, three hours second term.....	1½	Chemistry 12; Metallurgy, three hours first term.....	1½
Mathematics 6; Calculus, three hours first term.....	1½	M. E. 5; Engines and Boilers....	3
C. E. 2, 3; Surveying.....	3	E. E. 5; Electrical Laboratory.....	1
M. E. 4; Mechanics and Hydraulics.....	4	Geology 7; Economic Geology, three hours second term....	1½
E. E. 12; Direct Current Machinery, three hours first term....	1½	Mining 3; Continuation, three hours first part of first term.....	1
Geology 3; Field Work, two hours second term.....	1	Mining 7; Mine Examinations and Reports, three hours last of first term.....	½
Geology 8; Rocks and Metamorphism, two hours second term.....	1	Mining 4; Engineering Problems of Mines, three hours first term.....	1½
Mining 2; Details of Mining Operations.....	2	Mining 5; Mine Plant, three hours second term.....	1½
Mining 3; Critical Study of Mining Methods, two hours second term.....	1	Mining 6; Mine Administration, three hours second term.....	1½
		Mining 8; Ore Dressing.....	2

Requirements for the Masters' Degrees.

1. That a bachelor's degree shall have been received from this University or another institution in which the course of study is fully equivalent.

2. That not less than one year intervene between the conferring of the bachelor's and master's degrees.

3. That a course of study in one major and two minor subjects aggregating, with a thesis, sixteen hours per week be pursued in residence at the University for not less than one year. But graduates of this University may do half their work in absence under the direction of the professors in charge of the subjects chosen, provided that residence at the University during the term preceding the final examination for the degree is required.

4. That the major subject covering six hours shall be strictly graduate work, and selected in a department in which all undergraduate work has been previously completed.

5. That the two minor studies aggregating eight hours per week shall be chosen from departments in each of which the candidate has already two years credit, provided that no work credited to the bachelor's degree shall be counted towards the master's degree.

6. That the candidate write a satisfactory thesis in the major subject, the theme of which shall be approved by the head of the department six months before the final examination. For the thesis a credit of two hours shall be given.

7. That the candidate shall hand the thesis to the professor in charge of the major subject on or before the 15th of May. Previous to his final examination the candidate shall be questioned on his thesis by a committee composed of the professors in charge of the major

and minor subjects and a professor of another department, to be designated by the faculty.

Requirements for the Degrees of C. E., M. E., E. E., and Ch. E.

These courses of study are intended to give additional preparation for those students who have finished an undergraduate course in engineering, for some special line of work to which their previous study has led. The student will have all reasonable liberty in selecting such specialties and will be limited only by certain general requirements. He will be required at the beginning of the year to make up the course which he proposes to follow and to present it to the faculty, approved by the instructors concerned. If accepted, it will be subject to change only by the faculty. In general, it is expected that these courses shall comprise one principal subject based on the course already pursued, and two secondary subjects, one or both of which should be closely related to the principal. The graduate course should amount to not less than fifteen recitation hours per week as counted in undergraduate work.

The subject of a thesis for any of the above degrees must be submitted to the faculty for approval before the middle of the second term.

These degrees will also be given to graduates in civil, mechanical, electrical, and chemical engineering who have been in successful practice of their profession for three years, and who have submitted a satisfactory thesis on a subject approved by the faculty.

Charges. Graduate students pay ten dollars for matriculation and registration, ten dollars tuition (non-residents, five dollars) at the beginning of each session,

and ten dollars in advance for the final examination. Students who fail to comply with any of these requirements, or who do not each year complete the equivalent to two terms' work in one subject, will be dropped from the rolls. Should such students desire to resume their studies, they must pay for matriculation and registration, as if beginning for the first time. The diploma fee is five dollars in advance in each case.

Graduates attending only undergraduate classes pay the same fee as undergraduates.

Non-resident students have such assistance and instruction in their studies as can be conveniently given by correspondence.

Courses of Study Leading to Certificates.

In pedagogy and mechanical and electrical engineering there are the following courses of study, the completion of which entitles the student to a certificate:

NORMAL COURSE.

The certificate of Licentiate of Instruction (L. I.) has been established by the board of trustees as a stamp of one's knowledge of educational principles and proficiency in the art of teaching. There are three conditions upon which the certificate of Licentiate of Instruction is granted:

First. To those who complete the Sophomore year, leading to the B. A. or B. S. degree, eight hours of which must be elected in the department of pedagogy, subject to the approval of the professor in charge of that department.

Second. To those who complete the prescribed course for the state certificate. See page 86.

Third. To those candidates for the B. A. and B. S. degrees who elect their major in the department of philosophy and pedagogy.

Requirements for the State License.

*Section 6974 of the Revised Statutes of the State is as follows: "The State superintendent of public instruction shall have power to grant state certificates, which shall be valid for life, unless revoked, to any person in the state who shall pass a thorough examination in all those branches required for granting county certificates, and also in algebra and geometry, physics, rhetoric, mental philosophy, history, Latin, the Constitution of the United States, and of the state of Arkansas, natural history, and the theory and art of teaching."

To meet the provisions of this law, a four years' course has been provided, which includes all the branches on which one is examined for the state certificate, which also leads to the certificate of L. I. (Licentiate of Instruction). As given in the scheme of studies below, the

*The Superintendent of Public Instruction puts the following construction on this section:

"State licenses are not granted to inexperienced teachers. Applicants for the same must present satisfactory evidence of having taught successfully at least twenty months.

"State licenses are granted, under the law, *only* on approved examinations conducted by the State Superintendent.

"While the law is silent as to the scope of the examination, naming the subjects only, the following outline will give an idea as to the requirements under the present administration: In algebra, natural history (botany, geology, zoology), physics, and general history, the examination will be on such matter as is comprehended in the average high school text-books on these subjects.

"*Latin*.—Grammar and composition; first four books of Caesar; first two books of Virgil; first two orations of Cicero against Catiline, and his essay *De Senectute*—or equivalent readings.

"*Geometry*.—Plane geometry, and first two books of solid geometry including exercises.

"*Rhetoric*.—With special reference to the essentials of English composition.

"*Constitution of the United States and of Arkansas*.—Embracing a study of the origin, subject-matter, and civic relations under the same.

"*Theory and Art of Teaching, Mental Philosophy*. As discussed in works on these subjects.

"Holders of first-grade certificates may not be examined in the common school branches. An average of 80 per cent will be required on all subjects. Below 70 per cent on any subject will be considered a failure thereon."

first two years may be done in the high schools or in the preparatory department of the University. The completion of the first two years also entitles one to admission to the Freshman class in the B. A. and B. S. courses.

The hours completed during the third and fourth years are credited on the courses leading to the degrees of B. A. and B. S.

Course required for the State Certificate.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
Arithmetic.....	2	Algebra.....	2
Algebra.....	3	Plane Geometry.....	4
English.....	4	English.....	4
History of United States.....	3	General History.....	3
Latin.....	4	Latin.....	4

THIRD YEAR.	Hrs. per week.	FOURTH YEAR.	Hrs. per week.
English, course 1.....	3	English; course 2.....	3
Latin, course 1.....	3	Physics; course 1.....	3
Mathematics; course 1; Solid Geometry.....	3	Pedagogy; courses 5, 6, 7, 8...	5
Biology; course 1.....	3	Elective.....	4
Pedagogy; courses 1, 3, 4.....	5		

MECHANIC ARTS COURSE.

This course of two or three years, according to the preparation of the student, is designed to meet the wants of two classes of young men:

First. Those who are not able to spend the time required for the completion of the four years' course.

Second. Those who lack the necessary preparation for admission to the collegiate classes, and do not wish to become candidates for a degree.

Special attention is given to instruction in shop work and drawing, sufficient time being given to the former to enable a student to become familiar with all

its branches, and acquire proficiency in some chosen one. The time spent in the drawing room will enable the student to make and understand the machine drawing.

In the last year the technical instruction is designed to give such an elementary knowledge of mechanics, machine design, and steam machinery, as will enable the student to use and care for machinery intelligently. No diploma is awarded, but a certificate of proficiency will be given on the completion of the course.

Course Required for Certificate.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
Mathematics; First Year Preparatory.....	5	Mathematics; Second Year Preparatory.....	5
English; First or Second Year Preparatory.....	4	M. E. 4a; Mechanics and Hydraulics.....	4
Drawing; M. E. 2.....	3	M. E. 2; Mechanical Drawing..	2
Shop Work.....	3	Shop Work.....	6

THIRD YEAR.	Hrs. per week.
M. E. 3, 5a; Machine Design and Steam Machinery.....	5
M. E. 6; Mechanical Laboratory..	2
E. E. 12; Electrical Machinery..	3
E. E. 5; Electrical Laboratory..	2
Shop Work.....	4

***SHORT COURSE IN ELECTRICAL ENGINEERING.**

This two years' course is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only the necessary mathematics, which, with electrical engineering and

*Candidates for this course should be at least sixteen years old and have a fair knowledge of the common school branches, especially arithmetic.

laboratory work, gives the student sufficient theory, supplemented by practice, in the shortest possible time.

This course prepares students for practical work, such as constructing, operating, superintending, or managing lighting, power, or manufacturing plants. It does not lead to a degree, but a suitable certificate will be given on completion of the work.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
E. E. 1; Electrical Engineering.	5	E. E. 12; Electrical Machinery.	3
E. E. 3a; Drawing.....	2	E. E. 3; Technical Drawing....	2
M. E. 1d, b; Shop Work.....	3	E. E. 5; Electrical Laboratory..	2
Mathematics; First Preparatory		M. E. 5a; Steam Engines and	
Algebra.....	5	Boilers.....	3
		M. E. 1c, e; Shop Work.....	3
		Mathematics; Second Prepara-	
		tory Geometry.....	4

* Description of Collegiate Courses.

ANCIENT LANGUAGES.

J. C. FUTRALL, *Professor.*

Latin.

1. CICERO'S ORATIONS AND VIRGIL (3).—An accurate knowledge of the Latin forms is insisted upon; Bennett's Latin Prose Composition throughout the year. *For Freshmen.* M. W. F. 1; M. W. F. 2.

2. CICERO AND LIVY (3).—Cicero's *de Amicitia et de Senectute*; Livy, Book II. or III. Systematic study of the grammar; exercises in prose composition, based chiefly upon the authors read in class; sight reading; Roman literature. *For Sophomores.* M. W. F. 3.

*The number to the left of the description of a course is the number of the course; the number to the right is the number of hours per week that the course is given. In general, two hours of laboratory work are considered as the equivalent of one hour of recitation. Thus a course that has two hours per week of recitation work and two hours of laboratory work is a three hour course. Unless the contrary is stated in the description of a course, all courses run throughout the year.

3a. PROSE COMPOSITION (1).—The translation of connected passages of idiomatic English into idiomatic Latin. *Prerequisite: Course 2. W. 4.*

4. HORACE AND TACITUS (2).—Horace, Odes and Epodes; Tacitus, Annals; parallel and sight reading; the metres of Horace. *Prerequisite: Course 2. T. 3; F. 4.*

5. ROMAN POETS (3).—Readings will be taken from Plautus, Terence, Catullus, Horace, Juvenal, and others, and the attention of the student will be directed rather to the literary side of the authors read than to grammatical and syntactical peculiarities. The metres of Plautus and Terence will be carefully studied. Course 5 may be taken twice and counted towards a degree, as the readings will be changed in successive years. *Prerequisite: Courses 3a and 4.*

Text-books. Bennett's and Gildersleeve's Grammars; Wilkins's Primer of Roman Literature; Cruttwell's Roman Literature. Any approved edition of the Latin authors may be used, except when certain editions are prescribed. Lexicons: Harper, Lewis, White.

Greek.

1. ELEMENTARY COURSE (3).—White's Beginner's Greek Book, with selections for reading. A thorough mastery of the forms and constructions given in this book is required. *For Freshmen. M. T. Th. 4.*

2. XENOPHON AND LYSIAS (4).—This course is intended to familiarize the student with all the ordinary Attic forms and constructions; frequent exercises in oral and written translation of English into Greek, based upon the text read, are given, and some practice in sight reading; Goodwin's Grammar. *For Sophomores. M. W. Th. F. 1.*

3. HOMER AND PLATO (3).—Systematic study of the grammar; prose composition; Greek literature; sight reading; *Prerequisite: Course 2. T. Th. 1; M. 4.*

4. THUCYDIDES AND THE DRAMA (3).—This course will be conducted on the same plan as Latin 5. *Prerequisite: Course 3.*

Text-books. Goodwin's Revised Greek Grammar; Goodwin's Greek Moods and Tenses; Pearson's Prose Composition; Higley's Exercises in Greek Composition. Any approved edition of the Greek authors may be used, except when certain editions are prescribed. Liddell and Scott's Lexicons are recommended.

ENGLISH AND MODERN LANGUAGES.

J. W. CARR, *Professor.*E. F. SHANNON, *Associate Professor.*MISS H. B. DAVIES, *Adjunct Professor.*

English.

1. ELEMENTARY COMPOSITION AND LITERARY HISTORY (3).
—A. S. Hill's *Principles of Rhetoric* (revised and enlarged edition), and Simonds's *History of English Literature*. Recitations, weekly impromptu themes based upon assigned reading, and other written exercises; memorizing of Gray's *Elegy*; Goldsmith's *Deserted Village*; Dryden's *Alexander's Feast and Song for St. Cecilia's Day*; and assigned reading as follows:

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publ'rs Price, Postp'd.
Oct. 3.....		Beowulf.....	Riverside, 159....	.15
Oct. 10.....		Beowulf (finished).....		
Oct. 17... Wyclif-				
	Mandeville.....	Selections.....	Maynard, 107....	.12
Oct. 24... Chaucer.....		Prologue to the Canterbury Tales (to line 411).....	Riverside, 135....	.15
Oct. 31... Chaucer.....		Prologue to the Canterbury Tales (finished).....		
Nov. 7... More.....		Utopia.....	Cassell & Co.....	.10
Nov. 14... Spenser.....		Shepherd's Calendar....	Cassell & Co.....	.10
Nov. 21... Shakspere.....		Romeo and Juliet.....	Cassell & Co.....	.10
Nov. 28... Bacon.....		Essays, Civil and Moral..	Maynard, 3.....	.12
Dec. 5... Milton.....		Samson Agonistes.....	Cassell & Co.....	.10
Dec. 12... Bunyan.....		Grace Abounding.....	Cassell & Co.....	.10
Dec. 19... Dryden.....		Palamon and Arcite.....	Riverside, 125....	.15
Jan. 9... Steele-Addison...		Isaac Bickerstaff.....	Cassell & Co.....	.10
Jan. 16... Swift.....		Gulliver's Travels.....	Riverside, 89, 90..	.30
Jan. 23... Pope.....		Rape of the Lock.....	Riverside, 147....	.15
Feb. 6... Goldsmith.....		The Good Natured Man...	Cassell & Co.....	.10
Feb. 13... Johnson.....		Rasselas.....	Cassell & Co.....	.10
Feb. 20... Sheridan.....		School for Scandal.....	Cassell & Co.....	.10
Feb. 27... Burns.....		Cotter's Saturday Night, etc.....	Riverside, 77....	.15
Mch. 6... Keats.....		Eve of St. Agnes, etc....	Riverside, 127....	.15
Mch. 13... Byron.....		Prisoner of Chillon, etc..	Riverside, 128....	.15
Mch. 20... Scott.....		Lady of the Lake.....	Cassell & Co.....	.10
Mch. 27... Macaulay.....		Essay on Boswell's Life of Johnson.....	Maynard, 106....	.12
Apr. 3... De Quincey.....		Confessions of an Opium Eater.....	Macmillan.....	.25

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publ'rs Price, Postp'd.
Apr. 10...	Thackeray.....	Roundabout Papers.....	Maynard, 50.....	.12
Apr. 17...	Dickens.....	Christmas Carol.....	Riverside, 57.....	.15
Apr. 24...	George Eliot.....	Adam Bede.....	Maynard, 67.....	.12
May 1...	Carlyle.....	Essays on Goethe.....	Cassell & Co.....	.10
May 8...	Matthew Arnold..	Sohrab and Rustum, etc.	Riverside, 132.....	.15
May 15...	Tennyson.....	Enoch Arden, etc.....	Riverside, 73.....	.15
May 22...	Ruskin.....	Sesame and Lilies.....	Riverside, 142.....	.15
May 29...	Rossetti.....	Selected Poems.....	Maynard, 220.....	.12
June 5...	Morris.....	Life and Death of Jason.	Maynard, 53.....	.12

Publishers' Addresses: (Riverside) Houghton, Mifflin & Co.; (Maynard) Maynard, Merrill & Co.; both with branches in Chicago. Cassell & Co., New York City. The Macmillan Co., New York City, and Dallas, Texas.

Students should secure the books for assigned reading early, either by ordering through a bookseller, or by sending a money order or stamps to the publishers mentioned above. The excuse will not be accepted that books were ordered through a bookseller but not received.

The whole class will meet every Tuesday forenoon at the second period (9:25-10:20) for instruction in the History of English Literature. For writing and rewriting themes, and for recitations in rhetoric and poetry the class is divided into sections, meeting each twice a week, as follows: Th. F. 2; Th. F. 3; W. Th. 6; Fr. M. 7. *Required of all Freshmen.*

PROFESSORS CARR AND SHANNON.

2. ADVANCED COMPOSITION; OUTLINE HISTORY OF THE LYRIC, THE EPIC, THE DRAMA, THE NOVEL, AND THE ESSAY; ELEMENTARY ANGLO-SAXON (3).—Barrett Wendell's *Composition*; Brewster's *Narration*; Baldwin's *Description*; Lamont's *Exposition*; Baker's *Argumentation*, and Smith's *Old English Grammar*. Recitations, lectures, informal discussions, weekly impromptu themes based upon the assigned reading, long themes (two narrative, two descriptive, two expository, and two argumentative), due on the third Tuesday of each month from October to May inclusive; and assigned reading as follows:

Date of Lecture	Gen'l Subject.	Assigned Reading.	Edition.	Publ'rs Price, Postp'd.
Lyric Poetry.				
Oct. 3...	Lyric and Song...	Lyrics and Songs in the Golden Treasury (1861)	Macmillan.....	.25
Oct. 10...	Sonnet.....	Sonnets in the Golden Treasury, and Eng- lish and American Sonnets.....	Maynard, 192....	.12
Oct. 17...	Ode.....	Odes in the Golden Treasury.....		
Oct. 24...	Dirge.....	Lycidas (1637), Golden Treasury.....		
		Adonais (1821).....	Maynard, 85....	.12
		In Memoriam (1850)...	Maynard, 57....	.12
Epic Poetry.				
Oct. 31...	Ballad of Growth.	Old English Ballads....	Macmillan.....	.25
Nov. 7...	Ballad of Art....	Lays of Ancient Rome (1847).....	Cassell & Co.....	.10
Nov. 14...	Folk Epic.....	Beowulf.....	D. C. Heath & Co.	.25
Nov. 21...	Barnyard Epic...	Nun's Priest's Tale(1385)	Riverside, 136....	.15
Nov. 28...	Allegorical Romance.....	Faerie Queene (1589)...	Riverside, 160....	.15
Dec. 5...	Religious Epic...	Paradise Lost, Books I. to III. (1667).....	Riverside, 94....	.15
Dec. 12...	Sophisticated Ro- mance.....	Marmion (1808).....	Cassell & Co.....	.10
Dec. 19...	Epic Romance...	Idylls of the King (1888).....	Riverside, 99....	.15
Drama.				
Jan. 9...	Late XVI. Cen- tury Drama....	Jew of Malta (1588)...	Maynard, 101....	.12
Jan. 16...	Early XVII. Cen- tury Drama....	Hamlet (1603).....	Cassell & Co.....	.10
Jan. 23...	Early XVIII. Century Drama.	Cato (1713).....	Maynard. 92....	.10
Feb. 6...	Late XVIII. Cen- tury Drama....	She Stoops to Conquer (1773).....	Cassell & Co.....	.10
Feb. 13...	Sheridan, last of the British Dramatists....	The Rivals (1775).....	Cassell & Co.....	.10
Novel.				
Feb. 20...	Arthurian Romance.....	Malory's Morte d' Arthur (1485), Books I., II....	Riverside, 158....	.15
Feb. 27...	Elizabethan Romance.....	Lodge's Rosalind (1590)	Cassell & Co.....	.10

Date of Lecture.	Gen'l Subject.	Assigned Reading.	Edition.	Publ'rs Price, Postp'd.
Mch. 6...	Allegorical Novel.	Bunyan's Pilgrims' Progress (1678-1684).....	Riverside, 109....	.30
Mch. 13...	XVIII. Century			
	Realism.....	Richardson's Clarissa Harlowe (1747-1748)...	H. Holt & Co.....	
Mch. 20...	Gothic Romance..	Walpole's Castle of Otranto (1764).....	Cassell & Co.....	.10
Mch. 27...	XIX. Century			
	Romance.....	Scott's Quentin Durward (1823).....	Baker & Taylor Co.	
Apr. 3...	Humanitarian			
	Novel.....	Dickens's Oliver Twist (1837).....	Baker & Taylor Co.....	.27
Apr. 10...	XIX. Century			
	Realism.....	Thackeray's Vanity Fair (1847).....	Baker & Taylor Co.	
Apr. 17...	Psychological			
	Novel.....	Eliot's Scenes of Clerical Life (1858).....	Baker & Taylor Co.	
Apr. 24...	Contemporary			
	Romance.....	Stevenson's Treasure Island (1883).....	Macmillan.....	.25

Essay.

May 1...	Bacon, first English Essayist...	Essays (1625).....	Cassell & Co.....	.10
May. 8...	Early XVIII. Century Essay.....	Addison's Essays and Tales (1709-14).....	Cassell & Co.....	.10
May 15...	Early XVIII. Century Essay.....	Steele's Essays and Tales (1709-14).....	Cassell & Co.....	.10
May 22...	Early XIX. Century Essay.....	Lamb's Essays of Elia (1823).....	Riverside, 79....	.15
May 29...	Mid-Century			
	Essay.....	Warren Hastings (1841)	Cassell & Co.....	.10
June 5...	Late XIX. Century Essay.....	Mathew Arnold's Culture and Anarchy (1869)	Maynard, 68....	.10

Publishers' Addresses: The Macmillan Co., New York City and Dallas, Tex.; (Maynard) Maynard, Merrill & Co., Chicago, Ill.; Cassell & Co., New York City; D. C. Heath & Co., Chicago, Ill.; (Riverside) Houghton, Mifflin & Co. Chicago, Ill.; Baker & Taylor Co., New York City; H. Holt & Co., Chicago, Ill.

Students should secure the books for assigned reading early either by ordering through a bookseller, or by sending a money

order or stamps to the publishers mentioned above. The excuse will not be accepted that books were ordered through a bookseller but not received.

The whole class will meet every Tuesday forenoon at the third period (10-20-11:15) for instruction in the Outline History of English Literary Forms. For recitations and informal discussions in advanced rhetoric and elementary Anglo-Saxon, the class is divided into two sections, meeting twice a week: Th. M. 4.; Th. F. 3. *Required of all Sophomores in the B. A. and B. S. Courses; elective for others who have credit for English 1.*

PROFESSORS CARR AND SHANNON.

6a. ENGLISH LITERATURE OF THE SIXTEENTH CENTURY (2).—Special attention will be paid to the period beginning with Tottel's Miscellany, and ending with the death of Spenser (1557-1599). *Prerequisite: English 2. M. F. 6.*

ASSOCIATE PROFESSOR SHANNON.

7a. ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (2).—English literature from the death of Spenser to the death of Dryden (1599-1700). The introductory work will deal largely with Shakspere. *Prerequisite: English 2. Offered in 1906-1907. T. W. 5.*

8. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY (2).—English literature from the death of Dryden to the publication of the Lyrical Ballads (1700-1798). *Prerequisite: English 2. M. F. 6. Offered in 1906-1907.*

ASSOCIATE PROFESSOR SHANNON.

9. ENGLISH LITERATURE OF THE NINETEENTH CENTURY (2).—English literature from the publication of the Lyrical Ballads to the death of Queen Victoria (1798-1901). *Prerequisite: English 2. T. W. 5.*

10a. MIDDLE ENGLISH (2).—Chaucer's Life and Poems; History of the English Language; History of Middle English Literature. *Prerequisite: English 2. Required of those Juniors whose major subject is English or English and Modern Languages.*

PROFESSOR CARR.

11a. ANGLO-SAXON (2).—*Beowulf* will be read. For assigned reading: Anglo-Saxon literature in translations, and Greenough and Kittredge's *Words and their Ways in English*

Speech. Prerequisite: English 10a. Offered in 1905-1906. Required of those Seniors whose major subject is English or German. M. W. 3. PROFESSOR CARR.

German.

1. ELEMENTARY COURSE (3).—Lange's *German Method*; translation from German into English; elementary exercises in translation into German; memorizing of easy German songs. T. W. F. 4; T. W. Th. 7.

ASSOCIATE PROFESSOR SHANNON.

2. GERMAN PROSE AND POETRY (3).—Easy German texts the first term; selected works of Lessing, Goethe, and Schiller the second term; composition; sight reading; assigned reading; memorizing of German songs. *Prerequisite: German 1.* T. W. Th. 6. PROFESSOR CARR.

3a. HISTORY OF GERMAN LITERATURE with special study of the classic periods of the twelfth and eighteenth centuries (3).—Kluge's *Deutsche National-Litteratur*; assigned reading; a German theme each week. *Prerequisite: German 2.* M. W. F. 2. PROFESSOR CARR.

3b. MIDDLE HIGH GERMAN and OLD HIGH GERMAN (2). Paul's *Mittelhochdeutsche Grammatik* and the *Nibelungenlied*, the first term; Braune's *Althochdeutsche Grammatik* and *Lesebuch*, the second term; translation both terms into modern German only. This course is intended to supplement *German 3a*.

PROFESSOR CARR.

4a. GERMAN LITERATURE OF THE NINETEENTH CENTURY (3).—The Romantic School; von Kleist; Romantic Fiction; Uhland and the Suabian School; Romantic Lyric; Poetry of Pessimism; young Germany; Heine; the Drama (Wildenbruch, Sudermann, and Hauptmann); the Epic (Hebbel); and the Lyric (Geibel); outside reading taken wholly from modern prose fiction; weekly reports in German. *Prerequisite: German 3a.* M. W. F. 4. PROFESSOR CARR.

4b. GOTHIC AND OLD SAXON (2).—Braune's *Gotische Grammatik*, and Heyne's *Ulfilas* the first term; Holthausen's *Altsaechsisches Elementarbuch*, Siever's *Heliand*, and Zangemeister's Braune's *Bruchstuecke der Altsaechsischen Bibeldichtung*. This course is intended to supplement *German 4a*. *Prerequisite: German 3b.* T. Th. 4. PROFESSOR CARR.

French.

1. ELEMENTARY COURSE (3).—Fraser & Squair's Grammar (abridged edition); Kuhns's French Reading for Beginners; Halévy's *L'Abbé Constantin*; Grandgent's Materials for French Composition; sight reading. M. W. F. 2; T. W. Th. 7.

ADJUNCT PROFESSOR DAVIES.

2. FRENCH PROSE AND POETRY (3).—Selected works of Malot, Erckmann-Chatrian, Feuillet, Sandeau, Sand, and Daudet; French Daily Life; Bowen's French Lyrics; Cameron's French Composition; reading at sight; assigned reading. *Prerequisite: French 1.* M. W. F. 3.

ADJUNCT PROFESSOR DAVIES.

3a. FRENCH LITERATURE OF THE NINETEENTH CENTURY (3).—Lectures, reading, themes, and assigned reading. *Prerequisite: French 2. Offered in 1906-1907.*

ADJUNCT PROFESSOR DAVIES.

4. HISTORY OF FRENCH LITERATURE (3).—Lectures; recitations; reading of works representative of different epochs, especially of the seventeenth century; written reports. This course will not be given for fewer than three students. *Prerequisite: French 2.*

ADJUNCT PROFESSOR DAVIES.

6. OLD FRENCH (2).—Old French Grammar; *Chanson de Roland*; Aucassin et Nicolette.

ADJUNCT PROFESSOR DAVIES.

Spanish.

1. ELEMENTARY COURSE (3).—Loiseaux's Grammar; Padre Isla's *Gil Blas*, and other easy texts; composition; conversation; reading at sight. M. T. Th. 5.

ADJUNCT PROFESSOR DAVIES.

2. HISTORY OF SPANISH LITERATURE (2).—Lectures; themes; reports; and assigned reading. *Prerequisite: Spanish 1. Offered in 1906-1907.* T. Th. 2.

ADJUNCT PROFESSOR DAVIES.

Italian.

1. ELEMENTARY COURSE (3).—Sauer's Grammar; Cataneo's Reader; de Amicis's *Cuore*; Silvio Pellico's *Le Mie Prigioni*; Snell's *Primer of Italian Literature*; composition; conversation; reading at sight. *Offered in 1906-1907.* M. T. Th. 5.

2. DANTE (2).—Selections from the *Vita Nuova* and the *Divine Comedy*. *Prerequisite: Italian 1.* T. Th. 2.

ADJUNCT PROFESSOR DAVIES.

ENGLISH AND MODERN LANGUAGE GROUPS.

Those students who select their major subject in the department of English and Modern Languages, but did not offer a modern language for admission to college may choose any one of the five groups of studies mentioned below. Students who offered a modern language (but no ancient language) for admission, will substitute six hours of a modern language for the work already completed in modern languages. Before classifying, those students whose major subject is taken in the department of English and Modern Languages are required to consult with the head of the department.

GROUP I. (ENGLISH).—English 1 and German 1 in the Freshman year; English 2, German 2, and French 1 in the Sophomore year; English 10*a*, 7*a* (or 9), and 8 (or 6*a*), and French 2 in the Junior year; English 11*a*, 9 (or 7*a*), and 6*a* (or 8) in the Senior year.

GROUP II. (ENGLISH AND MODERN LANGUAGES).—English 1 and German 1 in the Freshman year; English 2, German 2, and French 1 in the Sophomore year; English 10*a*, German 3*a*, and French 2 in the Junior year; French 4 (or 3*a*), and four hours selected from English 11*a*, 9 (or 7*a*), and 6*a* (or 8), in the Senior year.

GROUP III. (MODERN LANGUAGES).—German 1 and English 1 in the Freshman year; German 2, French 1, and English 2 in the Sophomore year; German 3*a*, French 2, and Spanish 1 (or Italian 1) in the Junior year; French 4 (or 3*a*), and Italian 1 (or Spanish 1) in the Senior year.

GROUP IV. (GERMAN).—German 1 and English 1 in the Freshman year; German 2 and English 2 in the Sophomore year; German 3*a* and 3*b*, and French 1 in the Junior year; German 4*a* and 4*b*, English 11*a*, and French 2 in the Senior year.

GROUP V. (ROMANCE LANGUAGES).—French 1 and English 1 in the Freshman year; French 2, English 2, and German 1 in the Sophomore year; French 4 (or 3*a*), German 2, and Italian 1 (or Spanish 1) in the Junior year; French 3*a* (or 4), and Spanish 1 (or Italian 1) in the Senior year.

MATHEMATICS AND ASTRONOMY.

GEORGE W. DROKE, *Professor.*B. J. DUNN, *Associate Professor.*

Mathematics.

1. (a) SOLID GEOMETRY (*first term*) (3).—Beman and Smith's New Plane and Solid Geometry. 2, 3, 4, and 5 periods. M. W. F.

(b) PLANE TRIGONOMETRY (*second term*) (3).—Lyman and Goddard's Trigonometry. *Required of all Freshmen.* 2, 3, 4, and 5 periods. M. W. F.

1a. ALGEBRA (1).—Freshman elective intended for those who do not desire to take Mathematics beyond the Freshman year. Such students will find this course very helpful both in assisting them to carry successfully course 1, and in preparing them to teach elementary Algebra. The course will include: Theory of Exponents; Imaginary and Complex Numbers; Theory of Quadratic Equations; Ratio and Proportion; Inequalities; Progressions, and Logarithms.

2. ALGEBRA (2).—Wells's College Algebra, chapters xxii. to xxxix. inclusive, except chapters xxxv. and xxxviii. *Required of all Freshman Engineers; elective in other courses.*

3. (a) ALGEBRA (*first twenty-four weeks of session*).—The same text-book as in course 2.

(b) ANALYTIC GEOMETRY (*last twelve weeks of session*) (3).—Smith and Gale's Elements of Analytic Geometry. Course 3 is an elective course, intended for the B. S. and B. A. Sophomores who did not take Course 2 in Freshman year.

4. ANALYTIC GEOMETRY (3).—Same text-book as in course 3 (b). *Required of all Sophomore Engineers; elective in other courses.*

5. (a) ALGEBRA (*continuation of course 2*).—Twenty-four weeks.

(b) CALCULUS (*twelve weeks*) (2).—*Required of Sophomore Engineers and of those whose major subject is mathematics; elective in other courses.*

5a. ANALYTIC GEOMETRY [*continuation of course 3 (b)*] (2).—*Junior elective in the B. S. and B. A. courses.*

6. DIFFERENTIAL AND INTEGRAL CALCULUS (*continuation of course 5*) (b) (3).—*Required of Junior Engineers and of those whose*

major subject is mathematics; elective in other courses. The last eight weeks of this course the student may elect either Spherical Trigonometry or Differential Equations. *Prerequisite: Course 5.*

6a. DIFFERENTIAL EQUATIONS (*first term, Senior year*) (1).—This course is intended for those Seniors who elect Differential Equations in Course 6.

8. SPHERICAL TRIGONOMETRY, THEORY OF EQUATIONS, DETERMINANTS (2).—*Junior and Senior elective.*

9. DIFFERENTIAL EQUATIONS, AND ANALYTICAL GEOMETRY OF THREE DIMENSIONS (3).—*Books of Reference:* C. Smith's and Frost's Solid Geometry; Salmon's Geometry of Three Dimensions. *Senior elective.* This course may be taken by graduate or undergraduate students.

NOTE.—Those who desire to make mathematics their major subject may select either one of the following groups:

- (A) Courses 1 and 2 in the Freshman year.
Courses 4 and 5 in the Sophomore year.
Courses 6, 7 and 8 in the Junior year.
Course 9 in the Senior year.
- (B) Course 1 in the Freshman year.
Course 3 in the Sophomore year.
Courses 5 and 5a in the Junior year.
Course 6 in the Senior year.
Group (B) is the minimum requirement.

Astronomy.

13a. DESCRIPTIVE ASTRONOMY, LECTURES AND RECITATIONS (*first term*) (2).—6th period M. and Th.

14a. SPHERICAL ASTRONOMY (*second term*) (2).—The class in Astronomy has the use of a four-inch telescope, sextant, celestial globe, and other simple instruments.

HISTORY AND POLITICAL SCIENCE.

J. H. REYNOLDS, *Professor.*

The courses in this department are designed to afford general culture, and in addition are essential to those who are looking to law, journalism, politics, the ministry or any other public calling. Course 2 is foundation work and should be taken in the Freshman year.

2. (a) *MEDIAEVAL HISTORY (first term)* (3).—This course is designed to give the student a knowledge of the essential contributions of the ancient world to history, of the reorganization of German society upon the basis of Graeco-Roman civilization, and the rise of the modern states. M. 4, W. 5, F. 4; T. 1, W. 5, Th. 1.

(b) *MODERN HISTORY (second term)* (3).—Beginning where course (a) leaves off, the class will study the great world movements of modern times, such as the reformation, religious wars, absolutism, the struggle for constitutional government in England, the contest for supremacy on the high seas, the French Revolution, and the democratic movements of the nineteenth century. All students seeking a liberal education should take this course. *Text-Books:* Robinson's History of Western Europe and his Readings in European History. *For Freshmen.* M. 4, W. 5, F. 4; T. 1, W. 5, Th. 1.

3a. (a) *THE COLONIES (first term)* (3).—The planting and the growth of English institutions in America; the development of the federal idea; our breach with England; and the making of our federal constitution. Largely a library course; charters and constitutional documents, as well as the best secondary sources will be studied. T. Th. F. 2.

(b) *THE FEDERAL PERIOD TO 1875 (second term)* (3).—The constitutional and political history of the United States will be studied from the organization of the government to the close of reconstruction, emphasizing the growth of political parties, the contest between federal authority and states' rights, the slavery controversy, and the constitutional results of the Civil War and reconstruction. Method of work the same as in course (a). T. Th. F. 2.

5a. (a) *EARLY ENGLISH INSTITUTIONS (first term)* (3).—The origin and growth of the more important English institutions, such as the Kingship, Parliament, Privy Council, common law courts, jury system, and local government. Period covered from 450 to 1300. While the student should have Terry's History of England, and Lee's Source Book, yet free use will be made of both original and secondary sources in the library.

(b) *CONSTITUTIONAL HISTORY OF ENGLAND IN MODERN TIMES (second term)* (3).—After a brief survey of the Tudor

period, the class will study more in detail the struggle for constitutional government in the Stuart period, the history of the cabinet, and the growth of parliamentary government. For method and text-books see course (a).

1. (a) HISTORY OF GREECE (*first term*) (2).—This course is designed to give a thorough knowledge of the history and the institutions of the Greeks. A general knowledge of the subject is presumed.

(b) HISTORY OF ROME (*second term*) (2).—The explanations made above in regard to the history of Greece apply to this course.

7. (a) FRENCH REVOLUTION AND THE NAPOLEONIC ERA (*first term*) (2).—France on the eve of the revolution; her political philosophers; causes and events of the revolution; and the wars of Napoleon. T. Th. 4.

(b) THE NINETEENTH CENTURY (*second term*) (2).—The democratic movements of the century; the development of constitutional government; the unification of Italy and Germany; the colonial policies of European states; and the present condition of world politics. T. Th. 4.

4a. (a) AMERICAN STATE GOVERNMENT (*first term*) (2).—A study of the place of the state in our federal system, of the constitutional law of states, of the structure and workings of American state governments as they exist today, and of some of the practical problems now before the states. M. W. 2.

(b) NATIONAL GOVERNMENT (*second term*) (2).—A study and comparison of the structure and powers of the national governments of England, United States, France, Germany, and Switzerland. Special emphasis will be given to the place of the federal system in public law. *Text-book*: Burgess's Political Science and Constitutional Law, and the constitutions themselves. M. W. 2.

6. (a) ELEMENTS OF JURISPRUDENCE (*first term*) (3).—A study of the nature, definition, classification, and elementary principles of law. Discussions largely non-technical. Designed to give the essential principles of law needed by every citizen, and to introduce the subject to those students who may be looking to the law. *Text-book*: Robinson's Elements of Jurisprudence. M. W. Th. 3.

(b) INTERNATIONAL LAW (*second term*) (3).—A brief sketch of the history of international law, and a study of the principles now considered binding on civilized nations. Some three weeks will be devoted to Parliamentary law. *Text-book*: Davis's Elements of International Law. M. W. Th. 3.

10. MUNICIPAL GOVERNMENT (1).—While the government of our cities is coming to sustain a most vital relation to the public welfare, the American city is notoriously ill-governed. This course will offer an opportunity to study our experience in municipal government, the structure and working of typical city governments, and some special municipal problems. Throughout the year. F. 1.

HISTORY OF FINE AND APPLIED ART.

HENRY SIMMS HARTZOG, *Professor*.

The object of this course is to cultivate artistic appreciation by familiarizing the student with the masterpieces of fine and applied art, and the principles which govern their production.

The subject-matter of the lectures, primarily historical and critical, is illustrated by stereopticon pictures, casts, photographs, and engravings.

Collateral reading and critical analysis of illustrative material will be required.

For the session of 1905-1906 there will be one lecture per week, open to Juniors and Seniors. The course will embrace the following discussions:

CLASSICAL ARCHAEOLOGY.—History of ancient art, chiefly Greek; Roman, Early Christian, and Mediæval art; with some notice of Byzantine, Arabian, and Oriental art.

RENAISSANCE PAINTING.—The fifteenth and sixteenth centuries; effect of dominant motives of the epoch; the great masters and their most significant works.

MODERN ART.—Seventeenth, eighteenth, and nineteenth centuries, with special reference to French and American art.

Reference Works: Outlines of History of Art, Wilhelm Lubke; History of Ancient Art, Franz Von Weber; History of Painting,

A. F. Woltman; History of Ancient Sculpture, L. M. Mitchell; History of European Sculpture, Allen Marquand.

THEORY AND CRITICISM OF THE FINE ARTS.—How to interpret paintings and sculpture; the value of the beautiful; the limitations of art; the relation of painting and sculpture to literature.

HISTORY OF ARCHITECTURE.—A survey of the development of the historical styles, and a study of the great structures best representing those styles; the proportions adopted by the Renaissance; classical forms; Gothic cathedrals; origin and history of style; the Acropolis of Athens; principles and motives of modern architecture; discussion of composition as applied to architecture; analysis of ornament.

Reference Works: History of Architecture, Fletcher; History of Architecture, James Ferguson.

CIVIC AND INDUSTRIAL ART.—Specific problems of convenience and beauty which confront cities. The home beautiful.

Reference Book: Improvement of Towns and Cities, Robinson.

ECONOMICS AND SOCIOLOGY.

CHARLES HILLMAN BROUGH, *Professor.*

The courses offered in this department are designed to give instruction in problems of current economic, social and public interest, to prepare students for the duties of citizenship and participation in the professions of law, politics, journalism, financeering—in general, for professional and business careers.

1. PRINCIPLES OF ECONOMICS, THE TRUSTS AND TARIFF (*both terms*) (3).—*Texts:* Bullock's Introduction to the Study of Economics, and Bolen's Plain Facts as to the Trusts and the Tariff. Section 1, M. T. Th.1; Section 2, M. 6, W. 6, F. 4.

2. LAW (*both terms*) (3).—A thorough study is made in this course of the principles of corporation law; the law of bills, checks, and notes; the law of contracts and agency. *Texts:* Clark on Corporations; Bigelow's Bills, Checks, and Notes; Harriman on Contracts; and Huffcut on Agency. T. 6, W. 1, F. 1.

3. MONEY (*first part of first term*) (3).—The principles of money and credit, and the history of monetary systems are fully considered. *Text*: White's Money and Banking (revised edition). T. 2, Th. 2, F. 5.

4. BANKING (*the latter part of first term and first part of second term*) (3).—The design of this course is to give instruction in practical banking and an insight into the business mechanism of banks. *Texts*: Fiske's, The Modern Bank, and parts of Barrett's Modern Banking Methods. T. 2, Th. 2, F. 5.

8. TRANSPORTATION, ITS HISTORY AND PROBLEMS (*latter part of second term*) (3).—The economics of water transportation, the great lakes, canal systems, and the Mississippi River; the evolution of the railroad system, railroad geography, rate making, state versus private ownership, methods of government control, railroad finances; lectures; prescribed readings; and use of Railroad Commission reports. *Text*: Johnson's American Railway Transportation. T. 2, Th. 2, F. 5.

5. TARIFF HISTORY AND PROBLEMS (*first term*).—The theory of free trade and protection; the tariff history of the United States; and the tariff systems of the leading countries engaging in trade with the United States will be dealt with. *Text*: Taussig's Tariff History of the United States. This will be supplemented by lectures and assigned readings in Rabbeno's America's Commercial Policy, and Laughlin and Willis's Reciprocity. W. 5, F. 6.

12. INDUSTRIAL HISTORY OF THE UNITED STATES (*latter part of first term and first part of second term*).—The industrial development of the United States from colonial times will be traced, special attention being given to modern industrial processes and present resources. Lectures; recitations; special reports; prescribed readings. *Text*: Wright's Industrial Evolution of the United States. W. 5, F. 6.

13. THE TRUST PROBLEM (*latter part of second term*).—A comprehensive study will be made of the causes, economics, and evils of the modern trusts, and a consideration of plans for their proper regulation and control will be given. Lectures and assigned reading. *Texts*: Montague's The Trusts of Today; Meade's Trust Finance; and the report of the Chicago Conference on Trusts.

7. PUBLIC FINANCE (*first term*) (3).—The principles and history of taxation, management of public debts, and financial administration will be dealt with. *Text:* Plehn's Introduction to the Study of Public Finance. Supplementary reading in Seligman's Essays on Taxation, and Incidence of Taxation. M. 4, W. 4, F. 3,

14. FINANCIAL HISTORY OF THE UNITED STATES (*first part of second term*) (3).—An investigation of the expenditures, revenues, debts, and financial administration of the United States. The tariff history, the public land policy, the national and state banking systems and like topics will be studied. *Text:* Dewey's Financial History of the United States. M. 4, W. 4, F. 3.

15. MUNICIPAL PUBLIC WORKS (*latter part of second term*) (3).—A study of the economics of city waterworks, electric light and street railway systems. *Text:* Whinery's Municipal Public Works. M. 4, W. 4, F. 3.

6. THE LABOR QUESTION (*first term*) (2).—A study of the purposes and fundamental principles of trade unions; strikes, boycotts, lockouts, blacklists, arbitration, conciliation and injunctions from both the side of the laborer and employer. *Text:* Bolen's Getting a Living. Supplementary reading in John Mitchell's Organized Labor. T. 3, Th. 3.

11. SOCIALISM (*second term*) (2).—A study of socialism and social reform, involving a consideration of such practical questions as the government ownership of railroads, the single tax, and coöperation. *Text:* Ely's Socialism and Social Reform. Assigned reading in George's Progress and Poverty; Ely's Industrial Evolution of the United States; Bellamy's Looking Backward; Gillman's Socialism and the American Spirit and A Dividend to Labor. T. 3, Th. 3.

9. PRINCIPLES OF SOCIOLOGY (*first term*) (2).—This course considers the elements of social growth and progress, describes social institutions, and suggests practical social reforms. *Text:* Wright's Practical Sociology. T. 7, Th. 7.

10. SOCIAL PATHOLOGY (*second term*) (2).—A study of the dependent, defective, and delinquent classes, the slum centers, their problems, and conditions. *Text:* Henderson's Modern Methods of Charity.

CHEMISTRY.

A. M. MUCKENFUSS, *Professor.*H. E. MORROW, *Adjunct Professor.*

FRESHMAN YEAR.

1. GENERAL CHEMISTRY (3).—Lectures and quizzes twice a week; two sections (*a* and *b*); laboratory work one afternoon per week, five sections (*c*, *d*, *e*, *f*, and *g*). *Text:* Newell. *Required in engineering and other scientific courses. Prerequisite to all other courses in chemistry.* *a*, M. W. 3; *b*, M. W. 4; *c*, M. 6, 7; *d*, T. 6, 7; *e*, W. 6, 7; *f*, Th. 6, 7; *g*, F. 6, 7.

PROFESSOR MUCKENFUSS.

ADJUNCT PROFESSOR MORROW.

SOPHOMORE YEAR.

2. INORGANIC CHEMISTRY (2).—Lectures and quizzes twice a week. *Text:* Newth. T. Th. 2.

ADJUNCT PROFESSOR MORROW.

3. QUALITATIVE ANALYSIS. (*a*) ELEMENTARY COURSE (3).—Five hours' laboratory work, and one hour's discussion of results throughout the year. First term, a study of characteristic reactions. *Text:* White. Second term, the analysis of simple substances. *Text:* Dennis and Whittelsey. *One term may be elected.* T. 1; W. 6, 7; F. 6, 7, 8.

PROFESSOR MUCKENFUSS.

ADJUNCT PROFESSOR MORROW.

(*b*) ADVANCED COURSE (3).—Analysis of complex substances. The object is for the student to understand methods of separation, and to follow them correctly. *Text:* Prescott and Johnson. Second term. M. 6, 7; T. 6, 7; W. 1, 2.

PROFESSOR MUCKENFUSS.

JUNIOR YEAR.

4. ORGANIC CHEMISTRY (4).—Lectures and quizzes twice per week; laboratory work in organic preparations two afternoons, throughout the year. *Text:* Remsen. T. 2; Th. 4; M. 3, 4; T. 6, 7.

ADJUNCT PROFESSOR MORROW.

5. ELEMENTARY QUANTITATIVE ANALYSIS (3).—Laboratory work five hours per week, and one hour's discussion of results

throughout the year. Training for accuracy in gravimetric and volumetric methods. *Text:* Clowes and Coleman. *One term may be elected.* F. 2; W. 6, 7; Th. 6, 7, 8.

PROFESSOR MUCKENFUSS.

SENIOR YEAR.

7. ADVANCED QUANTITATIVE ANALYSIS. (a) GENERAL METHODS (3).—Laboratory work five hours, and discussion of results once per week, throughout the year. A study of methods of separation as well as the comparative accuracy of parallel methods of analysis. W. 1; F. 3, 4, 6, 7, 8.

(b) SPECIAL METHODS (3).—Iron and steel analysis, gas analysis, and practice with rapid methods. Second term. M. 1, 2, 6, 7; Th. 3, 4.

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8. THEORETICAL CHEMISTRY (2).—Advanced study of modern chemical theories. *Text:* Jones. M. 4, Th. 2.

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9. ASSAYING (3).—Laboratory work, consisting of preparing and testing reagents, making cupels, and assaying samples of furnace and mill products for gold, silver, or lead. *Text:* Ricketts and Miller. Second term. Th. 6, 7, 8; F. 6, 7, 8.

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*ELECTIVE COURSES.

Prerequisite for laboratory work: courses 3 and 5 in part.

6. AGRICULTURAL AND FOOD ANALYSIS (3).—Laboratory work six hours per week for students of agriculture. *Texts:* Bulletin No. 46, United States Department of Agriculture, and Leffman and Beam. First term.

PROFESSOR MUCKENFUSS.

12. METALLURGY (3).—Three times per week during first term, for students of mining. *Text:* Huntington and McMillan. M. W. F. 1.

PROFESSOR MUCKENFUSS.

13. WATER ANALYSIS (3).—Laboratory work upon the analysis of water for potability and for technical uses during first term. *For civil engineering students.* *Text:* Mason.

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*The department reserves the right to withdraw any of the four above-mentioned courses, when not elected by as many as four students.

14. ELECTRO-CHEMISTRY (3).—Class and laboratory work during second term. *For electrical engineering students. Texts:* Blount and Luepke. M. Th. F. 1.

PROFESSOR MUCKENFUSS.

Journal Meeting.

In addition to the above-mentioned courses, the Seniors and Juniors, the professors in charge, and the chemists of the experiment station, meet in the chemical laboratory one evening in each month, to present papers upon their researches, and upon investigations appearing in current chemical journals.

DEPARTMENT OF BIOLOGY.

F. W. PICKEL, *Professor.*

The courses of this department have been arranged to meet the needs of three classes of students; those who desire to become acquainted with the fundamental principles of plant and animal life; those who contemplate the study of medicine; and those wishing to go more thoroughly into the study of biologic science to obtain the technical training necessary for subsequent investigation or for teaching.

1. GENERAL BIOLOGY (3).—This course serves as an introduction to the whole field of biological science, and should be a part of the general education of every student. Types of plants and animals will be dissected and studied in the laboratory, and the essential truths of biology emphasized. One recitation and laboratory work, four hours per week throughout the year. *Text-book:* Parker's Lessons in Biology. M. 7; Th. 3, 4.

2. BOTANY (3).—In this course special attention is paid to the morphology, physiology, and ecology of plants, but due attention is given, in the second term, to the systematic classification of plants, and each student is required to collect and write a technical description of a certain number of plants. The geological history of plants and the origin of cultivated plants will be briefly considered. Field work, when practicable, will

form an important feature of the course. Recitations and laboratory work six hours per week throughout the year. *Text-books:* Barnes's Plant Life; Chapman's Flora of Southern States. M. T. Th. 5, 6.

3. BOTANY.—This course will consist of lectures, assigned readings, and laboratory work in morphology, physiology, or taxonomy. Work and hours arranged after consultation with the head of the department. *Prerequisite:* Botany 2.

4. BACTERIOLOGY (4).—An introduction to the subject, and instruction in laboratory technique—the preparation of nutrient media, the characteristics of bacteria, the kind and effects, isolating and keeping pure cultures, microscopical preparations, the study of bacteria found in soil, in water, and in air; study of pathogenic forms and their relation to disease. One lecture and six hours' laboratory work, first term. *Prerequisite:* Chemistry 1; Biology 1. M. 6, 7; T. 7; Th. 6, 7; S. 2, 3.

5. GENERAL ZOOLOGY (3).—A general course in invertebrate and vertebrate morphology. Attention will be given to the fundamental facts of zoological science, and the laws of development, heredity, variation, correlation, etc. In connection with the laboratory work in the course, instruction will be given to such students as desire to learn methods of preparing bird skins and mammal skins for laboratory and museum specimens. Field work, when practicable, will form an important feature of the course. One recitation and four hours' laboratory work per week throughout the year. *Text-books:* Hertwig's Essentials of zoology; Kingsley's Comparative Anatomy. M. 3, 4; W. 5; F. 3, 4.

6. ENTOMOLOGY (4).—Lectures relating to the metamorphosis, anatomy, physiology, and habits of insects. Special importance will be given to beneficial and injurious insects, with remedies for the latter. Laboratory work will consist of the study of typical forms with the aid of the guide. This will be followed with determination of families and practical studies of life histories of insects, and with methods of collecting, breeding, and preserving specimens. Two lectures and four hours' laboratory work per week. *Text-books:* Comstock's Laboratory Guide; Harris's Insects Injurious to Vegetation. M. 1; F. 1, 2, 5, 6, 7.

7. MAMMALIAN ANATOMY (5).—This course is offered to students intending to study medicine, but is open to any student who has completed course 1 in biology. It includes a thorough dissection of one of the higher mammals, *e. g.*, the dog, cat, or rabbit; a short course of instruction in histological and embryological methods of technique to acquaint the student with the principles of histology and embryology. Two lectures and six hours' laboratory work per week throughout the year. *Text-books:* Hertwig's Embryology; Stohr's Histology. M. 1; Th. 6, 7; F. 5, 6; S. 1.

8. PHYSIOLOGY (4).—The physiology of foods, digestion, and nutrition; the blood, circulation, and respiratory mechanism; the excretion, especially analysis of urine; functions of brain and spinal cord; physiology of nerve and muscle. Two lectures and four hours' laboratory work a week, second term. *Prerequisite:* Chemistry 1; *Elementary Physiology*. F. 6; S. 1, 4.

9. NATURE STUDY (1).—A special course in nature study, its aim, method, etc., and systematic science teaching will be offered to students who expect to teach. One lecture per week throughout the year.

GEOLOGY AND MINING.

A. H. PURDUE, *Professor*.

A. A. STEEL, *Associate Professor*.

The several courses in geology are intended to supply the needs of:

1. Students who wish to ground themselves in the elements of the science with the view of making it a life work. Of such, courses 2, 3, 5, 7, and 8 are required.

2. Students taking the course in mining engineering, of whom courses 2, 3, 5, and 7 are required.

3. Students in agriculture and civil engineering, for whom course 6 is recommended.

4. Students desiring a general educational knowledge of the subject, for whom course 2 is recommended.

The four years' course in mining engineering outlined on page 81 is planned to give that instruction

in the underlying principles of geology and mining and engineering, which can be acquired only with great difficulty outside of the colleges. Effort will be made to train the student in original thinking and the ready adaptation of means to the usual conditions so common in mining.

The practical work of mining, metallurgy, and ore dressing can be learned so much more rapidly and effectively by actual work, that no laboratory instruction in these lines is offered at the University. The students are expected to spend parts of at least two summer vacations at ordinary day's work in some mine, mill, or smelter, where they will be expected to ask questions of the workmen and keep notes of their observations, and compute the costs of some detailed operations. This plan, besides preparing the students for the study of the principles involved in their work, also gives them a useful knowledge of the workmen with whom they must deal, and tends to break down the prejudices on both sides.

This course in mining is designed to make specialists in mining geology and mine operating, rather than all round technical men. Hence a large part of the students' time is spent upon work in the department of geology and mining, but the necessary fundamental work in mathematics and applied science is not slighted, and enough work is required in the other technical departments to enable the graduates to solve the simpler problems of civil, mechanical, and electrical engineering, and metallurgy, and to judge of the qualifications of specialists in these lines, when in charge of large properties. There is also enough laboratory and field work required to fit the young mining engineer to do all

the analytical work, assaying, surveying, drafting, and designing needed at the average mine, while he is acquiring the experience and prestige necessary for more responsible and executive positions.

While the course is not especially exacting, is is severe and should be undertaken only by students well prepared mentally and in good health. To accomplish all the work well, the average student will have to devote seven or eight hours per day, six days per week, to his college work during the academic year.

Geology.

2. GENERAL GEOLOGY (3).—The geological work of the atmosphere and water (including streams, lakes, the ocean, and underground water); glaciers and glaciation; organic agencies; igneous and sedimentary rocks; structural geology; diastrophism; historic geology. Recitations three times a week. *Text*: Branner's Syllabus of General Geology, supplemented by Chamberlin and Salisbury. *Prerequisite*: Chemistry 1.

PROFESSOR PURDUE.

3. PRACTICAL GEOLOGY (3).—Field and laboratory work nine hours a week throughout the year, with the construction of geologic maps and sections, and topographic maps.

PROFESSOR PURDUE.

5. CRYSTALLOGRAPHY AND MINERALOGY (3).—(a) Lectures and recitations three hours a week during the first term on the elements of geometric crystallography.

(b) Laboratory work (two hours) three times a week following course (a) and extending through the year. Determination of minerals before the blowpipe, and in the wet way. *Text*: Determinative Mineralogy, Brush. *Required of students in geology, mining, and civil engineering*. *Prerequisite*: Chemistry 1.

ASSOCIATE PROFESSOR STEEL.

6. SHORT COURSE FOR AGRICULTURAL AND CIVIL ENGINEERING STUDENTS (3).—Lectures, supplemented by field work, on the geological work of the atmosphere and running water; the kinds, origin, and decay of sedimentary rocks; igneous rocks;

the origin and kinds of soil; structural geology; underground water; the origin of topographic forms. First term. *Prerequisite: Chemistry 1.* PROFESSOR PURDUE.

7. ECONOMIC GEOLOGY (3).—Lectures, with collateral reading, on the formation, modes of occurrence, uses, and geographic distribution of economic geologic products. Second term. *Required of students in geology and mining. Prerequisite: Chemistry 1, Geology 2.* PROFESSOR PURDUE.

8. ORIGIN AND ALTERATION OF ROCKS.—Lectures on the origin, destruction, and alteration of rocks, with special attention to metamorphism as related to ore deposits. Two hours a week for second term. *Required of Juniors in mining. Prerequisites: Geology 2; Chemistry 1.* PROFESSOR PURDUE.

Mining.

1. INTRODUCTORY COURSE (2).—Descriptive treatment of a few of the more common methods of mining now practiced, preliminary to the study of actual mining during the summer vacation. A general basis for later detailed and critical courses. Lectures or recitations twice a week during second term. *Prerequisites: Chemistry 1; Physics 1; and one term of Geology 2.* ASSOCIATE PROFESSOR STEEL.

2. DETAILS OF MINING OPERATIONS (2).—Methods, tools, rate of progress and comparative cost of; excavation of earth; drilling and blasting of rock; with a discussion of the nature and use of the common explosives; driving and timbering of mine tunnels in hard and soft ground; boring for various purposes; and shaft sinking and timbering in hard and soft ground. Lectures or recitations twice per week, with outside reading during the first and second terms. *Prerequisite: Mining 1.* ASSOCIATE PROFESSOR STEEL.

3. MINING METHODS (2).—A critical study of the various methods of exploration, development, and working of mineral deposits; special methods for unusual conditions; hydraulic mining; extraction of valuable minerals by means of bore holes; comparisons of the advantages and disadvantages of different systems; practice in the selection of methods best adapted to certain given conditions, and in combining the good features

of different established systems of mining. Lectures or recitations twice a week the second term of one year, and three times a week the first ten weeks of the following year. *Prerequisites: Mining 1 and 2.* ASSOCIATE PROFESSOR STEEL.

4. ENGINEERING PROBLEMS OF MINES (3).—Surface and underground handling, transportation, and storage of minerals; mine buildings, trestles, ore bins, etc.; mineral railroads, common roads; water supply; drainage of mines; methods of ventilation; accidents to men; underground surveying. Lectures and conferences three times a week, first term, with outside reading, designing, and detailed drawing. *Prerequisite: Mining 1.*

ASSOCIATE PROFESSOR STEEL.

5. MINE PLANT (3).—Description and critical discussion of the mechanical equipment of mines; hoisting engines, ropes, skips, cages, and head frames; various types of pumping machinery; air compressors and the transmission of power by compressed air; machine drills; mine cars and tracks; underground haulage plant; practice in the selection of mining machinery from trade catalogues. Lectures and conferences three times a week, second term. Outside reading and detailed drawing. *Prerequisites or parallels: Mining 1, 2, and 4; Mechanical Engineering 4 and 5.*

ASSOCIATE PROFESSOR STEEL.

6. MINE ADMINISTRATION (3).—Organization of the staff of large and small mines, and duties of its members; purchase of supplies and disposal of product; management of labor and labor problems; elements of mining law; bookkeeping, and mine accounts, and requirement of cost sheets. Lectures and recitations three times a week, second term. *Prerequisite: Mining 1.*

ASSOCIATE PROFESSOR STEEL.

7. MINE EXAMINATIONS AND REPORTS (1).—Sampling of ore bodies; estimation of available and probable tonnage; methods of working out the essential geology of the deposit; form and character of the report. Lectures and recitations three times a week, last part of first term. *Prerequisites: Mining 1 and 2; Geology 2, 5, and 8.*

8. ORE DRESSING.—General principles and theory of ore dressing; hand dressing; cleansing; crushing; sizing and classifying; jigging sized and unsized products; table concentrating;

stamp milling of gold and silver ores; descriptions of typical ore dressing works; practice in outlining schemes of ore dressing under assigned conditions. *Text-book:* Richard's Ore Dressing. Recitations and conferences twice a week, two terms. *Prerequisites:* *Geology* 5; *Mechanical Engineering* 4 and 5.

ASSOCIATE PROFESSOR STEEL.

For the outline of the course in mining, see p. 81.

DEPARTMENT OF PHILOSOPHY AND PEDAGOGY.

The object of the courses offered in this department is (a) to afford general culture, (b) as being essential to those who expect to enter professional life, especially law, medicine, the ministry, and teaching.

For those contemplating the professions of law or journalism, the following courses are recommended: 1, 7, 8, 9, and 10; medicine: 1, 7, 8, 9, and 11; business: 1, 7, 8, and 9.

For the required course of study in the normal department, and the conditions under which the certificate of Licentiate of Instruction is granted, see pages 84 to 86.

1. **DESCRIPTIVE PSYCHOLOGY** (*first term*) (3).—This course serves as an introduction to both philosophy and pedagogy. The course is open to all students in the collegiate department. The different functions of the mind are studied from the physiological and experimental standpoint. It is intended to make it as concrete as possible—by a study of the nervous system, and by experiments to demonstrate the action and interaction between the mind and nervous tissue. Owing to its pedagogical value students are advised to take this course as early as possible in their college course. *Text-books:* Buell's *Essentials of Psychology*; Gordy's *New Psychology*. Section a, M. W. F. 1st period. Section b, M. W. F. 7.

2. (a) **SCHOOL MANAGEMENT** (1).—This course serves as a general introduction to teaching and school management. It is open to all students of the University—both preparatory and collegiate. It is especially designed for those students who

teach during the vacation or who expect to teach for only a short time. Students may attend these lectures without enrolling as members of the class. *Text-books:* Page's Theory and Practice of Teaching. F. 8.

(b) ART OF TEACHING (1).—This course is subject to the same conditions as (a). The methods of teaching the common school branches will be discussed, illustrated by model lessons. Th. 8.

3. METHODS (2).—The methods discussed are based on psychology. The broader generalizations of the science of education are studied, and the student learns to apply the principles of psychology to the work of teaching. This is a very practical course. During the first term the Methods of the Recitation is studied, the General Methods during the second term. Students may enter the second term. *Text-books:* McMurray's General Methods, and Method of the Recitation. T. Th. 1.

4. HISTORY OF EDUCATION (*second term*) (3).—This course includes a study of the educational systems and methods of ancient, mediæval, and modern nations; lives and theories of educational reformers; growth of education in the United States and in the state of Arkansas. *Text-books:* Boone's History of Education in the United States; Compayre's History of Pedagogy; Lives of Pestalozzi, and Horace Mann; Arkansas School Law. M. W. F. 1.

5. (a) EDUCATIONAL PSYCHOLOGY (*first term*) (3).—This course applies the principles of psychology to the schoolroom. It deals with the child as an educable being. It treats in minute detail the sources of interest; the characteristics of imitation, heredity, attention, memory, imagination, emotions, will, and character. Recitations, lectures, assigned readings, and reports. *Text-books:* Dexter and Garlic's Psychology in the Schoolroom; Hinsdale's Art of Study. *Prerequisite:* Course 1. M. W. F. 2.

(b) CHILD STUDY (*second term*) (3).—In this course it is intended to make a practical application of the principles studied in (a) by studying the characteristics of children as seen in the schoolroom, at home, and on the playground. Topics assigned and references to pedagogical library.

6. THE SUPERINTENDENT'S COURSE (2).—This course discusses matters of practical school organization and management. Such subjects are discussed as school revenues and expenditures, school sanitation and decoration, course of study, duties of superintendent and teachers in relation to school and community, philosophy of government, etc. *Text-books:* King's School Interests and Duties; Spencer's Education. References to pedagogical library.

7. PHYSIOLOGICAL AND EXPERIMENTAL PSYCHOLOGY (2).—A general course illustrated by physiological and experimental demonstrations. One period will thus be given to discussions and recitation. The other period will consist of two hours' laboratory work in experimentation. The giving of this course will depend on whether or not the psychological laboratory is equipped by the opening of the first term of 1905-1906. *Text-books:* Ladd's Outlines of Physiological Psychology; Scripture's New Psychology.

8. ABNORMAL PSYCHOLOGY (1).—This course is designed to supplement course 1, and to discuss especially the physiological conditions and mental phenomena of sleep, dreams, hypnotism, somnambulism, sanity, insanity, illusions, hallucinations, mind reading, etc. This, as well as course 1, will be especially valuable to those students who expect to study law or medicine. It is intended to throw light on many of the peculiarities of mental life as exhibited in mankind. Lectures, discussions, and recitations. *Text-books:* Moll's Hypnotism; M. de Manaceine's Sleep; Parish's Hallucinations and Illusions; Lombroso's The Man of Genius. *No prerequisite (though desirable to be accompanied or preceded by course 1).*

9. LOGIC (*second term*) (3).—This course should follow course 1. *Text-book:* Creighton's Introductory Logic. M. W. F. 7.

10. (a) ELEMENTS OF ETHICS (*first term*) (2).—The bearing on the rural standing of the theories of evolution, sociology, biology, economics, and political economy, as applied to real life. *Text-book:* Seth. References; Mackenzie, Mortiman and Jenet.

(b) INTRODUCTION TO PHILOSOPHY (*second term*) (2).—This course is designed to present in an elementary way the principal

philosophical problems. It may properly be taken by all who desire an acquaintance with philosophy as a means of culture.

Emphasis will be laid upon the philosophy of life and of conduct in connection with the discussion of problems in ethics, æsthetics, and the philosophy of religion. The problems will also be studied from the historical standpoint, which will involve the study of some of the theories of philosophical writers. *Text-books:* Paulsen's *Introduction to Philosophy*; Bowne's *Theory of Thought and Knowledge*.

11. PRINCIPLES OF EVOLUTION (1).—A discussion of the underlying facts, the methods of scientific research, and the philosophical problems upon which the modern philosophy of evolution is founded. This course will consist of lectures and the study of a text-book.

MECHANICAL ENGINEERING.

B. N. WILSON, *Professor, and Superintendent of Mechanic Arts.*

T. C. TREADWAY, *Adjunct Professor, and Assistant Superintendent of Mechanic Arts.*

W. A. HARDING, *Machinist.*

Two courses are offered, a four-year course leading to the degree of B. M. E. (see p. 76), and a short course of two or three years (see p. 87), depending upon the preparation of the student.

While the major part of a course in mechanical engineering necessarily consists of scientific and technical studies, the four years' course provides for instruction in English and the modern languages, and offers electives that may be taken in other than technical subjects.

Besides the mathematical and scientific studies which constitute the necessary preparation for the study of the engineering branches, instruction is given in mechanics, machine design, theory of steam and gas engines, etc. Special attention is given to the practical

application of the truths and theories taught in the class room, a large part of the time being devoted to shop work, drawing and laboratory practice.

Sufficient instruction is given in the theory and use of electrical machinery to enable the student to use it intelligently.

In the second term of the Senior year the student is offered an elective in the branch of mechanical engineering in which he wishes to specialize.

SHOP WORK (hours as assigned).

1. (a) WOODWORKING.—Principles of carpentry and joinery; exercises in wood turning.

(b) FOUNDRY.—Green sand molding; melting and pouring brass and iron.

(c) FORGING.—Management of fire; drawing and welding; riveting and tempering; case hardening and annealing.

(d) PATTERNAKING.—Practice in making patterns; care and use of woodworking machinery.

(e) IRONWORKING.—Chipping; filing; turning; planing; drilling; grinding; erection of machinery.

(f) ADVANCED WORK in any of the courses above.

2. (a) MECHANICAL DRAWING (2 or 4).—Lettering, geometrical drawing; copying machine drawings; working drawings from machine parts; tracing; blue printing. M. T. 6, 7.

(b) MECHANICAL DRAWING.—Perspective and isometric drawing; intersections; developments; detail drawing; blue printing.

3. MACHINE DESIGN (3).—Kinematics of machinery; design of gear teeth, cams, link motions, etc. One hour's recitation and four hours' drawing per week. M. 4; T. 6, 7.

4. MECHANICS AND HYDRAULICS (4).—Statistics and dynamics; strength of materials; hydraulics. Four recitations per week for one year. *Text-book:* Mechanics of Materials and Hydraulics, Merriman; Wright's Mechanics. M. T. W. Th. 1.

(a) ELEMENTARY MECHANICS.—An elementary course in mechanics and hydraulics. *Prerequisite:* First Preparatory Mathematics.

*5. STEAM MACHINERY AND GAS ENGINES (3).—Elementary thermodynamics; comparison of types of steam engines, gas engines, boilers, etc.; valve gears. T. Th. F. 3.

5a. STEAM ENGINES AND BOILERS (3).—Elementary theory of steam engines and boilers—care and management of same; valve gears. Three hours per week one year. *Prerequisite: Sub. Freshman Mathematics.* T. Th. F. 3.

6. EXPERIMENTAL ENGINEERING (2).—Calibration of engineering instruments, indicators, steam gauges, planimeters, nozzles, meters, weirs, etc.; tests of the materials of construction in tension, torsion, compression, and bending; valve setting. *Text-book: Experimental Engineering, Carpenter.* Four hours laboratory work per week. W. 4, 5, 6, 7.

7. MACHINE DESIGN (4).—Theory of steam and gas engines; problems in steam engine and boiler design. One recitation, six periods of drawing.

8. EXPERIMENTAL ENGINEERING (2).—Complete tests of the different types of steam engines, boilers, pumps, gas engines, oil engines, turbines; special investigations.

9. TURBINES AND PUMPS (2).—A study of the design, construction and operation of steam turbines, water wheels, and pumping machinery. Two recitations per week. Th. 4; F. 2.

10. METHODS OF ICE MAKING; COLD STORAGE (2).—Ice-making machinery. Two hours per week for one term.

11. HEATING AND VENTILATING (3).—Principles of ventilation; the different systems of heating by steam, hot water, and air; specifications. Three hours per week for one term.

12. STEAM ENGINEERING (4).—Mechanical engineering of power plants; selection of machinery for the equipment of power stations; plans and specifications. One lecture and six hours drawing per week, second term. *Prerequisite: M. E. 5.*

13. MACHINERY AND MILL WORK (4).—Discussions of the different methods of distributing power in mill work; considerations controlling the design of the power plant; specifications. One hour's lecture and six hours' drawing per week, second term.

14. RAILROAD ENGINEERING (4).—Design and construction of locomotives; repairs for rolling stock; discussion of the

*Courses 5 and 5a may be taken for one term.

problems relating to the mechanical engineering of railroads. One hour's lecture and six hours' drawing per week, second term. *Prerequisite: M. E. 5.*

CIVIL ENGINEERING.

J. J. KNOCH, *Professor.*

V. P. KNOTT, *Instructor.*

The design of this department is to furnish a course of theoretical instruction, accompanied by illustrations and as much of engineering practice as can well be taught in schools. This course will give the student a knowledge of the fundamental principles required to enter intelligently upon the various branches of engineering belonging to this profession.

The special technical studies, which are offered in this course, may be grouped under the heads of surveying, applied mechanics, road and railroad engineering, hydraulic engineering, bridge engineering, and sanitary engineering. A general outline of the course is found on page 77.

Instruction. The work in surveying extends over three years. It embraces land surveying, leveling, and United States public land surveys during the Sophomore year; topography, railroad reconnoissance and location during the Junior year; triangulation and geodesy during the Senior year. Much time is devoted to practice in the field and drafting room, this work being carried on parallel with the classroom work. Each year a party of engineering students go into camp one week for practice in surveying and locating railway lines.

1. DESCRIPTIVE GEOMETRY (2).—Recitation and practice, first term. *Text-book:* Church's Descriptive Geometry. Engineering Hall. Th. 8:30-9:30; M. 1:30-3:20.

1a. DRAWING (2).—Selection and care of instruments. Drawing geometrical figures, conventional representation of

materials, copying and tracing working drawings; and drawing from models. Two afternoons throughout the year. Engineering Hall. T. W. 1:30-3:20.

2. SURVEYING (*with* 3) (3).—First, and part of second, term. Care, use, and adjustment of instruments; use of chain, tape, compass, transit, solar attachment, level, sextant, and plane table; land surveying, leveling, contouring, laws, and instructions relating to surveys of the public domain. *Text-book*: Raymond's. Engineering Hall. M. W. 10:20-11:15.

3. FIELD PRACTICE.—Exercises in land, city, and topographical surveying. One afternoon throughout the year. Th. 12:40-4:00.

4. HIGHWAYS (1).—One hour per week, second term. The location, construction, and maintenance of common, Macadam, and Telford roads; brick, stone, wood, and asphalt pavements for city streets. *Text-book*: Spalding's Roads, Streets, and Pavements. Engineering Hall. Th. 8:30-9:25.

4a. ARCHITECTURAL DRAWING (1).—One hour per week, second term. Elementary course in architecture; drawing plans and elevations of simple structures; analysis of plans. F. 1:30-3:20.

5. RAILROAD ENGINEERING (2).—Two hours per week throughout the year. Preliminary surveys and location; transition curves, yards, and turnouts; estimates of earthwork and material used in construction; the economics of railroad location and management. *Text-books*: Searle's Field Engineering, and Crandall's Transition Curve and Earthwork Computations, first term; Wellington's Economic Theory of Railway Location, second term. Engineering Hall. T. Th. 10:20-11:15.

6. FIELD PRACTICE (2).—Location of curves, turnouts, and Y's; measurement of embankments and cuts, and computation of volumes. Four hours a week throughout the year. F. 12:40-4:00.

7. RAILROAD SURVEY.—One week, twelve hours per day. Actual field practice in reconnoissance, preliminary survey, and location.

8. DRAWING (2).—Lettering titles for maps and drawings. Pen and colored topography. Four hours a week throughout the year. Engineering Hall. Th. F. 11:15-1:35.

8a. DRAWING (2).—Lectures and practice two afternoons a week throughout the year. Shades, shadows, and perspective. Topographical and railroad maps from actual surveys; masonry dams, structural details, and working drawings for designs. Engineering Hall. M. W. 8:30-10:20.

9. MASONRY CONSTRUCTION (2).—Two hours per week, first term. Use of lime, and hydraulic cement mortars; stone and brick masonry foundations; foundations in soft materials on land and under water; cofferdams, cribs, and caissons. *Text-book:* Baker's Masonry Construction. Engineering Hall. W. Th. 11:15-12:10.

10. ROOFS AND BRIDGES (3).—Four hours per week, first term; three hours, second term. Theory of computation of stresses by both analytical and graphic methods; full computations, designs, and bills of material for a roof truss and railroad bridge. *Text-books:* Merriman and Jacoby's Roofs and Bridges, Parts I., II., and III. Engineering Hall. M. T. W. F. 8:30-9:25.

11. SANITARY ENGINEERING (2).—Two hours per week, first term. Calculation and special details of construction of sewers; separate and combined systems of sewerage; purification of sewage; municipal and domestic sanitation. *Text-book:* Baumeister's Cleaning and Sewerage of Cities. Engineering Hall. W. Th. 9:25-10:20.

12. TECHNICAL DRAWING (2).—Lectures and practice, four hours per week throughout the year. Right and oblique arches; drawings for computations of course 10. Engineering Hall. T. W. 1:30-3:20.

13. WATERWORKS ENGINEERING (3).—Three hours per week, second term. Study of systems of water supply; collection, purification, and distribution of water; location of waterworks, with details of estimate of cost; turbines and pumping engines. *Text-book:* Folwell's Water Supply Engineering. Engineering Hall. W. Th. F. 9:25-10:20.

14. ENGINEERING LABORATORY (2).—Two hours per week, first term. Test of strength and other properties of materials of construction; tensile and crushing tests of brick, stone, and cement; flow of water through pipes, elbows, valves, and measurement by means of weirs. Engineering Hall. F. 12:40-4:00.

15. FIELD PRACTICE (2).—Two hours per week, first and second terms. Topographical survey, triangulation, precise leveling, and practical astronomy. Th. 12:40-4:00.

16. CONTRACTS AND SPECIFICATIONS (3).—Elective for Seniors in Engineering. Lectures and recitations three times per week. *Text-books:* Johnson's Contracts and Specifications; Wait's Engineering and Architectural Jurisprudence. Engineering Hall. M. T. W. 9:25-10:20.

ELECTRICAL ENGINEERING AND PHYSICS.

W. N. GLADSON, *Professor.*

H. SCHAPPER, *Instructor.*

J. R. BLOOM, *Assistant.*

Two courses of instruction are offered in electrical engineering. The four years' course described on page 78, is intended to afford a good general education, and at the same time to ground the student so thoroughly in the principles of electrical engineering as to furnish a good foundation for the profession.

Theoretical and applied electricity and the mechanics of engineering are naturally the leading subjects.

Theory is amply treated and tested by experiments in well equipped laboratories, thus affording the student a degree of facility in the use of instruments and machines which is acquired only by continued practice. As a requisite for graduation, each candidate must present an acceptable thesis, embodying the results of special study. The subject of such study must lie within the field of electrical engineering. It must be announced not later than the beginning of the second term of the Senior year, and be approved by the professor in charge. The completed thesis must be submitted not later than two weeks before commencement day, and one copy must be deposited in the library as the property of the University.

The short course of two years described on pp. 87-8 is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only the necessary mathematics, which, with electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice in the shortest possible time. Four courses are offered in physics, and additional work may be arranged for by any student selecting his major in this department.

1. ELECTRICAL ENGINEERING (5).—Recitation, lectures, and practice, five times a week throughout the year. Installation and operation of electrical machinery; underwriter's rules; calculations; estimates; specifications, and practical work. *Text-books:* Management of Dynamos and Motors, by Croker and Wheeler; and Electricity and Magnetism, by Thompson. Engineering Hall. M. F. 3.

ASSISTANT BLOOM.

3. TECHNICAL DRAWING (2).—Lectures and practice two afternoons a week throughout the year. Working drawings of electrical apparatus; wiring plans designed by student. Engineering Hall, 2d floor. M. T. 6, 7.

PROFESSOR GLADSON and ASSISTANT BLOOM.

3a. DRAWING (2).—Use and care of instruments; copying of mechanical drawings and wiring plans; drawing of machine parts. Engineering Hall, 2d floor. T. W. 6, 7.

ASSISTANT BLOOM.

4. TECHNICAL DRAWING (2).—Lectures and practice four hours a week throughout the year; an extension of course 3, and must be preceded by it. Drawings of circuit and machine, electrical calculations, and mechanical designs of electrical machinery; complete power plants designed by student. Engineering Hall, 2d floor. M. T. 6, 7.

PROFESSOR GLADSON.

5. ELECTRICAL LABORATORY (2).—One afternoon a week throughout the year. An extended course in magnetic and

electrical measurements; current, electro-motive force, and resistance; use and calibration of instruments, voltmeters, and potentiometers; exploration of magnetic fields; dynamo work begun. Engineering Hall, basement. Th. 5, 8.

PROFESSOR GLADSON and ASSISTANT BLOOM.

6. ELECTRICAL LABORATORY (4).—One afternoon a week throughout the year. This is an extension of course 5, and must be preceded by it. A full experimental course in operating and testing direct and alternate current machines; photometry transmission, storage, and transformation of electric energy. Special courses given suited to the preparation and object of the student. Engineering Hall, 1st floor. F. 5, 8.

PROFESSOR GLADSON.

7. DYNAMO-ELECTRIC MACHINERY (3).—Recitations three hours a week throughout the year. Confined chiefly to direct current apparatus, including types of motors, generators, and transformers; design, calculations, construction, testing, and operating. *Text-book*: Thompson's Dynamo Electric Machinery. Engineering Hall, 1st floor. M. T. W. 2.

INSTRUCTOR SCHAPPER.

8. THEORY OF ALTERNATE CURRENTS (3).—Recitations three times a week, first term. *Text-book*: Sheldon's Alternate Currents; Machines. Engineering Hall, 1st floor. M. T. W. 1.

PROFESSOR GLADSON.

9. POLYPHASE ELECTRIC CURRENTS (3).—Recitations and lectures three times a week, second term. *Text-book*: Thompson. Engineering Hall, 1st floor. M. T. W. 1.

PROFESSOR GLADSON.

10. ELECTRIC RAILWAYS (2).—Recitations and lectures twice a week, second term. *Text-book*: Electric Railway Engineering, by Trevert. Engineering Hall, 1st floor. Th. F. 2.

PROFESSOR GLADSON.

11. TELEPHONY AND TELEGRAPHY (2).—Lectures and recitations twice a week throughout the year. *Text-books*: Preece's Telephone, and Commercial and Railway Telegraphy, by Abernathy. Engineering Hall, 1st floor. Th. F. 1.

PROFESSOR GLADSON.

12. ELECTRICAL MACHINERY (3).—Recitations three times a week on direct and alternate current dynamos and motors;

their application to light, power, railway mining, and manufacturing. *Text-book:* *Dynamo Electric Machinery*, by S. Sheldon. Engineering Hall, 2d floor. M. T. W. 1.

INSTRUCTOR SCHAPPER.

PHYSICS.

1. GENERAL PHYSICS (3).—Lectures with demonstrations three hours a week throughout the year on mechanics; heat; light; sound; electricity and magnetism; wave motion. Science Hall. M. W. F. 3.

PROFESSOR GLADSON.

INSTRUCTOR SCHAPPER.

1a. PRECISION OF MEASUREMENTS (1½).—Lectures. A discussion of physical measurements, errors, sources of errors, accuracy of results; methods of least squares, etc. One hour a week, second term; two hours a week, first term.

INSTRUCTOR SCHAPPER.

1b. GENERAL PHYSICS (1½).—Laboratory work three hours a week one year. *Prerequisite:* *Physics 1*.

PROFESSOR GLADSON.

INSTRUCTOR SCHAPPER.

2. LECTURES AND RECITATIONS.—Two hours a week one year on statics; dynamics; magnetism; electricity; photometry, etc.

INSTRUCTOR SCHAPPER.

2a. LABORATORY WORK.—Two hours a week one year. Advanced accurate measurements on statics; dynamics; magnetism; electricity; photometry.

INSTRUCTOR SCHAPPER.

3. VECTOR ANALYSIS (1).—One hour a week first term. A discussion of the subject of vectors as applied to physics.

INSTRUCTOR SCHAPPER.

4. THEORETICAL ELECTRICITY (2).—Two hours a week one year. Maxwell's theory, etc. *Prerequisite:* *Vector Analysis* and *Differential Equations*.

INSTRUCTOR SCHAPPER.

AGRICULTURE AND HORTICULTURE.

Special Notice.—New and thorough courses in agriculture, horticulture, entomology, dairying, and veterinary science will be established at the Experiment Station, beginning with the September, 1905, term.

Short winter courses in the above-mentioned studies will also be offered.

The course of study and full information concerning it will be published about July, and can be had upon application to

W. G. VINCENHELLER,

Director, Arkansas Agricultural Experiment Station.

The course in agriculture or in horticulture leads to the degree of Bachelor of Science. The entrance and graduation requirements with agriculture or horticulture as a major will be found under the general requirements for entrance and graduation on pp. 52 and 75-6. The course for the degree of B. S. A. will be arranged by the professor of agriculture or the professor of horticulture, to whom all students in these subjects should report for classification at the beginning of the year. Students are advised to decide upon their major subjects as early in their college career as possible. This will unify their course and give purpose to all their university work.

Agriculture and horticulture are comprehensive-composite subjects, the principles upon which they are based being derived from a number of sciences. The course in either subject is a university course, with special attention to the sciences as they relate to agriculture or horticulture as the major subject. While in a sense a specialist, the specialist in agriculture or horticulture is less a specialist than in almost any other field. The full course of study, while ultimately practical, is intended to afford a training as broad as any other course, and equal in educational value.

Nearly everyone at sometime or other in life has to do with lands and the planting of trees or gardens, if not for money considerations, then for pleasure. Some of the

subjects offered in agriculture and horticulture are therefore of value to students in other departments as practical parts of a liberal education. Some of the studies may be included by such students as electives.

The course of instruction aims throughout to give the student a grasp of fundamental principles and at the same time furnish opportunity for observing their practical application to the extent of rendering him independent of mere arbitrary rules of practice. The student is encouraged to discover, plan, and execute for himself, and he is aided in this by his association with specialists in the lines which he is pursuing, and by constant opportunity to observe the farm, orchard, and garden work of the national agricultural experiment station connected with the University.

In addition to the theoretical work, the student is expected to acquire a degree of practical skill—to become familiar with the best methods, and the use and care of implements and machinery.

Agriculture.

G. A. COLE, *Professor.*

1. (a) SOILS.—Their origin, classification, properties, and relation to animal and plant production; drainage; irrigation; tillage. Three hours per week, first term. M. W. F. 4.

(b) FARM CROPS.—Manures and fertilizers; grain crops; hay and pasture crops; root crops; fiber and miscellaneous crops. Three hours per week, second term. *Required of Freshmen in the Agricultural Course.* M. W. F. 4.

2. (a) FARM BUILDING, MACHINERY AND TOOLS.—Location, construction, and management of stables, barns, dairies, silos, piggeries, sheepfolds, poultry houses, roads, and fences. Farm machinery and tools; water supply. Two hours per week, first term. T. Th. 2.

(b) FARM ANIMALS.—General discussions of the various animals usually on a farm; their breeding, feeding, care, and

the production of feeds for the various classes. Two hours per week, second term. *Required of Sophomores in the Agricultural Course.* T. Th. 2.

3. (a) RURAL ECONOMY.—General farm management; labor; marketing; transportation. Two hours per week, first term. T. Th. 1.

(b) EXPERIMENTS.—Records and discussions of experiments conducted by the experiment stations. Two hours per week, second term. *Required of Juniors in the Agricultural Course.* T. Th. 1.

4. SPECIAL FARMING.—(a) Live stock in general; (b) cattle; (c) swine; (d) sheep and goats; (e) poultry; (f) animal breeding; (g) animal feeding; Each subject two hours per week, first term. *Four hours required of Seniors.* W. F. 3.

(b). (h) Grain crops; (i) cotton; (j) root crops; (k) forage, soiling crops and the silo; (l) hay, pasture and green manuring crops; (m) plant breeding; (n) fertilizers and their uses. Each subject two hours per week, second term. *Four hours required of Seniors.* W. F. 3.

Horticulture.

ERNEST WALKER, *Professor.*

1. (a) PHYSIOLOGY OF PLANTS.—A study of the subject from the horticultural standpoint. Fall term, three hours. T. Th. F. 3.

(b) THE PRINCIPLES OF PLANT BREEDING.—Environment; variation; heredity; cross-pollination; selection; improved varieties; evolution of fruits and vegetables. Spring term, three hours. *Required of Freshmen in the Horticultural Course.* M. W. F. 3.

2. (a) HORTICULTURAL STRUCTURES AND CONVENIENCES.—Hot-beds; cold frames; pits; greenhouses; materials; construction; greenhouse heating; ventilation; management; implements. Fall term, two hours. M. W. 2.

(b) PROPAGATION OF PLANTS.—The various methods by which plants are multiplied; spores, seed, cuttings, budding, grafting, transplanting. Spring term, two hours. *Required of Sophomores in the Horticultural Course.* M. W. 2.

3. (a) FRUIT CULTURE.—Orcharding; viticulture; small fruits, with reference to kind and varieties best adapted to the state; cultivation; marketing; including insects, diseases, spraying and other methods of control. Fall term, two hours. T. Th. 4.

(b) VEGETABLE GARDENING.—Studies in the growing of the principal vegetables adapted to the state, for home use and market; insects; diseases. Spring term, two hours. *Required of Juniors in the Horticultural Course.* T. Th. 4.

4. SPECIAL WORK AND PRACTICE.—(a) Handicraft. Throughout the year, two hours. (b) *Horticultural literature. Fall term, one hour. (c) Decorative gardening. Spring term, two hours. (d) *Forcing of vegetables and flowers. Fall term, two hours. (e) *Forestry. Fall term, two hours. (f) *Special studies and reports. Spring term, one hour. *At least four hours required of Seniors.* Hours by appointment.

MILITARY SCIENCE AND TACTICS.

CAPTAIN R. B. POWERS, U. S. A., *Professor.*

The head of the military department is an officer of the United States Army, detailed by the war department for duty at the University.

All male collegiate students are required to take the theoretical course, and all male students over fifteen years of age, not physically disabled, are required to take the practical course in military science, the latter including infantry drill, target practice, camping, guard duty, and various other exercises, the course covering the entire period of the student's stay at the University.

The act of congress donating public lands for educational purposes requires that institutions which are the beneficiaries of such donations include military science and tactics in their course of instruction.

The system of practical instruction closely follows that used in the United States Army. It contains a

*Courses marked * open only to third and fourth year collegiate students.

course of gymnastic exercises for the development and improvement of the arms, chest, legs, hands and feet. Besides being excellent physical training, this instruction has many advantages mentally. The necessity of being alert, listening for each word of command, and acting promptly on it, quickens the wit and cultivates the habit of fixing the attention and concentrating the thoughts. In addition to all this, it inculcates in the student a respect for authority and discipline which is equalled by no other system.

The cadets are organized into one battalion, composed of field staff, band and six companies. The officers and non-commissioned officers are selected from those students who are most proficient in their drill and military studies, and most exemplary in their deportment, the captains and lieutenants being taken, usually, from the Senior and Junior classes, and sergeants and corporals from the Sophomore and Freshman classes. An office in one of the battalions is one of merit and distinction, and any unbecoming conduct subjects the appointee to reduction to the ranks.

The cadet band, of some twenty pieces, constitutes an interesting feature of the military organization. It receives the best instruction obtainable, practices three hours per week, and takes part in all military ceremonies.

A competitive drill is held annually at the close of the college year, when prizes are awarded for proficiency in this department.

The three students of the Senior class having the highest grade of merit in this department are reported to the secretary of war, and their names recorded in the adjutant general's office and published in the army register for that year. The president of the United States

in appointing officers from civil life, gives preference to those whose names are so recorded. Cadet officers on graduation are brevetted in the state guard with the rank held by them in the cadet battalion at the date of their graduation, and recommendations of the commandant of cadets as to special military qualifications of the graduates of the military course.

The following is prescribed as the minimum course of military instruction, practical and theoretical:

(a) PRACTICAL.—Infantry drill regulations, through the school of the battalion in close and extended order; advance and rear guards, and outposts; marches; the ceremonies of battalion review, inspection, parades, and escort of the colors; thorough instruction in the duties of sentinels, and the ceremony of guard mounting; infantry target practice; instruction in first aid to the injured.

(b) THEORETICAL.—The infantry drill regulations covered by the practical instruction; the manual of guard duty, small arms firing regulations, parts I., II., and VII.; the articles of war, with special reference to articles 4, 8, 15, 20, 21, 22, 23, 24, 32, 38, 39, 40, 42, 44, 46, 47, 50, 55, 57, 61, and 65; and the following records: Enlistment and discharge papers, including the descriptive lists; morning reports; field and monthly returns; muster rolls; rosters; ration returns; requisitions; established property returns.

THE PREPARATORY SCHOOL.

Fayetteville.

JAMES WYSE KUYKENDALL, PRINCIPAL,

Mathematics.

703 W. Dickson St.

Teacher in Public Schools of Texas and Arkansas, 1889-1897; Deputy State Superintendent of Public Instruction, 1897-1901; State Superintendent of Public Instruction, *ad interim* 1898; present position since 1901; Chairman, Board of Trustees, Arkansas Teachers' Association, since 1902.

EMMA WILMER COLE, B. A. 763 W. Dickson St.

History, Latin, and Mathematics (Resigned Jan. 18, 1905).

B. A. Montgomery Female College, 1875; Teacher in Public Schools of Virginia, 1875-1880; Student, Summer School, University of Virginia, 1880; Teacher

in Public Schools, Danville and Salem, Virginia, 1880-1884; Teacher in Trinity College, Virginia, 1884-1885; Teacher in Public Schools of Arkansas, 1885-1893; present position since 1893.

MARY ANNE DAVIS.....327 Washington Ave.
English and History.

Graduate of Hamilton College, Lexington, Kentucky, 1888; Teacher in Public Schools, 1890-1892; present position since 1893; Course in English, University of City of New York, 1895, and University of Chicago, 1899.

MARY WHITFIELD VAULX.....432 N. College Ave.
English and History.

Graduate of St. Mary's School, Memphis, Tennessee, 1889; Teacher in Public Schools, 1890-1899; Student, University of Arkansas, 1899-1900; Teacher, Public Schools, Pine Bluff and Little Rock, 1900-1902; present position since 1902; Summer course in English, Harvard University, 1904.

ROBERT EDWARD PHILBECK, B. A...200 S. College Ave.
Mathematics.

Teacher in Public Schools, 1896-1898; B. A., University of Arkansas, 1900; Graduate Student, University of Arkansas, 1901; Principal, Fayetteville, Arkansas, High School, 1901-1902; present position since 1902.

NAOMI JOSEPHINE WILLIAMS, A. M...607 W. Dickson St.
Latin and History.

B. L. L., University of Arkansas, 1880; Private school teacher 1880-1885; A. M., University of Arkansas, 1884; Teacher in Public Schools 1885-1887; present position since 1887; Student, University of Michigan, 1891-1892.

DAISY YOUNG, B. A... ..358 Arkansas Ave.
Mathematics.

B. A., University of Arkansas, 1900; Teacher, Springdale, Arkansas, College, 1900-1901; Teacher, Springdale Public School, 1901-1903; Teacher, Hendrix Academy, Gentry, Arkansas, 1903-1904; present position since 1904.

JESSIE MELLVILLE McKAY.....224 W. Dickson St.
English, History, and Physiology.

Teacher in Fort Smith Public Schools, 1901-1902; Student, University of Tennessee, 1902-1904; present position since 1904.

GENEVIEVE CHRISTINE BRODERSEN, B. A.
English, Latin, and Mathematics. 358 Arkansas Ave.

B. A., Bardstown, Kentucky, Male and Female Institute, 1898; Teacher in the same institution, 1898-1899; present position since 1904.

MABEL SUTTON, B. A.....121 W. Dickson St.
History, Latin, and Mathematics.

B. A., University of Arkansas, 1902; Teacher in Public Schools of Little

Rock, 1902-1903; Graduate Student, University of Arkansas, 1903-1904; present position since January 18, 1905.

Instruction in German, civics, physics, nature study, pedagogy, woodworking, forging, and drawing is given by collegiate professors.

This school is maintained: *First*, to prepare students for admission to the Freshman class in any course in the University; *Second*, to furnish as good an education as practicable to those who do not wish to pursue an extended course; *Third*, to provide a suitable course for those preparing to teach in the public schools who find it impracticable to take the University normal course.

Students seeking to enter the preparatory school should be thoroughly prepared for examination in the subjects required for admission to the class to which they seek entrance.

Requirements for Admission to the First Year Class.

Students desiring to enter the first year class will be examined in the following:

1. *Arithmetic.* The whole of common school arithmetic; an accurate knowledge of the properties of numbers, fractions, measurements, etc., and a good general knowledge of percentage and its applications.

2. *English Grammar.* The fundamental principles of English grammar and composition.

3. *United States History.* The leading facts in American History.

4. *Geography.* The whole of some complete manual of geography.

5. *Spelling and Writing.* Proficiency in these subjects is tested by the examination papers.

Requirements for Admission to the Second Year Class.

Students desiring to enter the second year class will be examined upon the following:

1. *Arithmetic.* A thorough and accurate knowledge of the whole of common school arithmetic.
2. *Algebra.* Academic algebra to simultaneous equations.
3. *English.* English grammar completed, and elementary composition.
4. *History.* An advanced United States history, studied with special reference to growth and development.
5. *Latin.* Bennett's Latin Lessons, or its equivalent, and easy sight reading. (Required of those desiring to study second year Latin.)
6. *Physical Geography.* Davis's Elementary Physical Geography or its equivalent. (Required of those desiring to take second year sciences.)

NOTE.—Students entering after the session has begun will be examined also in the work passed over by their class. Students who hold first grade teachers' licenses and who have had experience in teaching, will be admitted, without examination, to the second year class in the subjects covered by the licenses. Other grades of teachers' licenses and certificates of work done in other schools will be recognized to some extent in classifying students. A student should always bring with him all report cards and certificates of school work.

Examinations at Places Other Than Fayetteville.

Students living at a distance from the University may obtain special local examinations, if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the

candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

Courses of Study in the Preparatory School.

The preparatory school consists of two sub-college classes, and students are required to complete sixteen hours' work in the first year class, and seventeen hours' work in the second year's class as a condition of promotion to the University Freshman class. A student, having completed the prescribed preparatory work in any subject, may be admitted to the Freshman class therein, provided no preparatory study is omitted for this purpose.

Special courses of study are not advised in the preparatory school, but students known to be in poor health or having physical defects which interfere with their studies, may be permitted by the faculty to defer one or more subjects and extend the course over a longer period.

The classification of preparatory students is governed by the rule stated under "Classification of Students," pp. 61-2. Studies in lower classes have precedence of higher ones. Students cannot, therefore, omit studies in the preparatory school and take up collegiate courses except in such cases as may be allowed by the faculty under paragraph 3, page 62.

The completion of thirty-three hours of the following work is required for entrance to the Freshman class in either the B. A. or B. S. course, and twenty-six hours for entrance to the Freshman class in any of the engineering courses.

FIRST YEAR CLASS.	Hrs. per. week	SECOND YEAR CLASS.	Hrs. per. week
REQUIRED WORK, 12 hours		REQUIRED WORK, 13 hours	
Arithmetic.....	2	Algebra.....	2
Algebra.....	3	Plane Geometry.....	4
English.....	4	English.....	4
History of the United States, and Arkansas.....	3	History of Greece and Rome...	3
ELECTIVE WORK (selected from the following), 4 hours		ELECTIVE WORK (selected from the following), 4 hours	
Latin.....	4	Latin.....	4
German.....	4	German.....	4
Physical Geography.....	3	Physiology.....	2
Nature Study.....	1	Physics.....	2
Woodwork.....	2	Civics.....	2
Forge Work.....	1	Drawing.....	2
TOTAL 16 hours.....		TOTAL 17 hours.....	

NOTE.—Students desiring to take the course leading to the B. A. degree must elect either Latin or German in the preparatory classes. Students desiring to take the course leading to the B. S. degree may elect any four hours' elective work in each year. Those desiring to take any of the engineering courses may omit the history of Greece and Rome, and may elect any four hours of elective work.

Teachers' Course.

This course has been arranged for students who do not desire to take a full course at the University, but who wish to qualify themselves to teach in the public schools of this state.

FIRST YEAR CLASS.	Hrs. per. week.	SECOND YEAR CLASS.	Hrs. per. week.
Arithmetic.....	2	Algebra.....	2
Algebra.....	3	Plane Geometry.....	4
English.....	4	English.....	4
History of the United States, and Arkansas.....	3	History of Greece and Rome...	3
Civil Government.....	2	History of Mediæval and Mod- ern Europe.....	3
Physiology 2, Pedagogy 1	3	Pedagogy 3.....	2

NOTE.—Students desiring to prepare for the normal course (see pp. 84-6), should take the preparatory course with Latin. In this teachers' course it is intended that the completion of the first year's work shall prepare the student for a first grade license, and the completion of the second year's work for a professional license.

Detailed Work of Courses.

FIRST YEAR CLASS.

MATHEMATICS, 5.—Higher arithmetic, text to be selected; Milne's Academic Algebra to Simultaneous Equations.

ENGLISH, 4.—(1) *English Grammar*: Maxwell's Advanced Grammar. (2) *Composition*: dictation; letter writing; class-room themes, one each week, written and rewritten, based on assigned general reading, with special attention given to spelling, punctuation, paragraphing, and idiomatic expression. (3) *For General Reading*: Irving's Life of Goldsmith; Addison's Sir Roger de Coverley; Lowell's Vision of Sir Launfal; Coleridge's Ancient Mariner. (4) *For Careful Study*: Macaulay's Essay on Addison; Burke's Speech on Conciliation. (5) *For Memorizing*: Coleridge's Ancient Mariner; Lowell's Vision of Sir Launfal.

LATIN, 4.—Bennett's Latin Lessons; Collar's New Gradatim.

GERMAN, 4.—Lange's German Method; translation from German into English; elementary exercises in translating into German; memorizing of easy German songs.

HISTORY, 3.—Eggleston's New Century History of the United States and other texts for collateral study.

GEOGRAPHY, 3.—Davis's Physical Geography.

NATURE STUDY, 1.—Hodge's Nature Study and Life.

WOODWORKING, 4.—Principles of carpentry and joinery; wood turning; cabinet work. Sickel's Exercises in Woodworking.

FORGING, 2.—Management of fire; drawing; welding; riveting; tempering.

SECOND YEAR CLASS.

MATHEMATICS, 6.—Milne's Academic Algebra through quadratics; Beman and Smith's Plane Geometry, completed.

ENGLISH, 4.—(1) *Rhetoric*: Hill's Foundations of Rhetoric. (2) *Composition*: Class-room themes, one each week, written and rewritten, based upon assigned general reading, with especial attention given to spelling, punctuation, paragraphing, and idiomatic expression. (3) *For General Reading*: Tennyson's Gareth and Lynette, Lancelot and Elaine, and the Passing of Arthur; Shakspeare's Macbeth, and Merchant of Venice; Scott's

Ivanhoe, and Lady of the Lake; George Eliot's Silas Marner. (4) *For Careful Study*: Shakspeare's Julius Cæsar; Macaulay's Life of Johnson; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas. (5) *For Memorizing*: Milton's L'Allegro, Il Penseroso, Comus, and Lycidas, and selections from Shakspeare's Julius Caesar, and Tennyson's Idylls of the King.

LATIN, 4.—Four Books of Caesar, or an equivalent; Bennett's Grammar and Exercise Book.

GERMAN, 4.—Easy German texts the first term; selected works of Lessing, Gœthe, and Schiller, the second term; composition; sight reading; assigned reading; memorizing of German songs.

HISTORY, 3.—Botsford's History of Greece, first term; Botsford's History of Rome, second term.

PHYSIOLOGY, 2.—Hutchinson's Physiology and Hygiene.

PHYSICS, 2.—Gage's Elements of Physics; lectures; laboratory and written work.

PEDAGOGY, 5.—Page's Theory and Practice of Teaching; Baldwin's Art of School Management; McMurry's General Methods; McMurry's Methods of Recitation; Buell's Psychology; James's Psychology.

CIVIL GOVERNMENT, 2.—Willoughby's Rights and Duties of American Citizenship; Arkansas and The Nation; and Johnson's History of American Politics.

FREEHAND DRAWING, 4.—Practice work; outline drawing from models and machine parts; plan, elevation, and section drawings.

ELEMENTARY AGRICULTURE AND BOOKKEEPING, 3. — Elementary work in Agriculture, and a course in single entry bookkeeping.

NOTE.—In the preceding courses the figure after each subject indicates the number of hours per week.

CONSERVATORY OF MUSIC AND ART.

Fayetteville.

HENRY SIMMS HARTZOG, LL. D. 717 W. Dickson St.
President.

HAZEL ARCHER YATES, DIRECTOR. 123 College Ave.
Piano and Violin.

GERTRUDE CRAWFORD.....	206 College Ave.
<i>Voice Culture.</i>	
FRANK BARR.....	227 N. Maple Ave.
<i>Band Instruments.</i>	
MARTHA HUDSON WHITE	740 W. Maple St.
<i>Elocution and Physical Culture.</i>	
FRANCES MCSWINE.....	206 East St.
<i>Art.</i>	
MRS. CORDELIA BAIRD.....	206 East St.
<i>Art.</i>	

Purpose.

The fundamental idea of the management has been to make the Conservatory of Music and Art complete and thorough in every respect, and to advance the pupils rapidly, yet carefully. In other words, the standard of efficiency must be so high that a certificate of study and ability granted here will possess a value recognized far and wide, and that pupils will choose to study here in preference to going to the great cities.

Tuition in the Conservatory of Music and Art.

Owing to the fact that the state provides for the expenses of the music department and a portion of the salary of the instructors, the tuition is far below the usual price paid elsewhere for similar advantages.

One term (18 weeks) two lessons per week—Piano, voice culture, string, or band instruments.....	\$22 50
Harmony (in class).....	5 00
Use of pianoforte for practice one hour daily.....	2 50
Elocution in classes free to University students.	
Regular art course, per month.....	5 00
Per term of three months.....	12 00
Teacher's art course, per month.....	1 50

All students are required to matriculate with the secretary of the University. The music and art students

will pay the regular matriculation fee of five dollars in addition to their tuition.

The tuition is based upon a term of eighteen weeks except when otherwise stated, and these rates do not apply for a less period. Tuition must be paid at the beginning of the term and receipt presented before taking lessons.

Rules and Regulations.

All arrangements must be made at the director's office (University Hall, room 26).

The tuition is payable strictly in advance; if it is paid later, a higher rate is charged.

Pupils may enter at any time, but will not be accepted for less than one term of eighteen weeks.

No deduction can be made for lessons missed by the pupil, but such lessons may be made up within the term.

Pupils are not allowed to take part in public entertainments without the knowledge and consent of the director.

For further information, address the director.

Special Advantages of Conservatory Instruction.

Aside from the opportunity of instruction by teachers of recognized ability, the advantages of conservatory over private instruction are so manifest that we deem it hardly necessary to enumerate the many points in its favor.

It is almost impossible for the private teacher to give the required attention to the different instrumental branches, as well as the theoretical, such as harmony, counterpoint, composition, ear training, etc., which are absolutely essential to a thorough musical training; at

the same time, the lectures on musical history, the public recitals, as well as the close association of a large number of earnest students, create a certain musical atmosphere which is a great aid and stimulus to increased efforts on the part of pupils.

Recitals.

Especial attention is called to the recitals of both students and faculty, of which a number are given each year, and which have won a reputation for artistic excellence. The advantage derived from these cannot be overestimated.

At the pupils' recitals, which are given at regular intervals, all students are privileged and expected to appear as their talents and advancement may warrant. Not only does this offer them a greater incentive to put forth their best efforts, but it helps them to overcome the nervousness which often mars the performance of students who have not the opportunity of performing frequently before an audience. The recitals given by members of the faculty have attracted especial attention, and, needless to say, are a further aid and attraction to pupils.

Chorus Work.

A large chorus has been organized to which all students are admitted free. Oratorios, cantatas, and part songs-by the best composers are studied here, which are performed in recitals and concerts during the season and especially at commencement.

Orchestra.

Students of the violin and other orchestral instruments will, as soon as possible, be admitted to membership in the University orchestra, which takes part in all

recitals and concerts. This practice is a decided advantage, as well as a source of pleasure to the student. Students derive great benefit from the orchestral and chorus practice, which is free to all students of the University. The work of the pupils in these branches has elicited the highest commendation.

Piano.

The method of pianoforte instruction is the "flexible wrist, loose arm system," inaugurated by Mendelssohn, Chopin, Thalberg, Gottschalk, and continued by Liszt and Leschetizky and their pupils. The flexibility of the wrist is the only means of securing a full, noble, and rich tone from the piano. The keys should be pressed with a boneless hand and fingers of velvet.

Piano Practice.

Pupils can arrange at a very moderate expense to do their daily practicing at the University, in case this should prove desirable.

Violin.

The violin is by many considered the most difficult of instruments and requires careful and conscientious study. Much depends on the beginning. Often a pupil begins study with an inexperienced teacher, or one who does not concentrate his attention on this one most difficult instrument, and consequently falls into bad habits of position, bowing, or technique, that make advancement difficult, and are in many cases almost impossible to overcome. The pupil is taken from the beginning and carefully brought through the most difficult phases of the violin. In addition to his exercises, he is, as soon as possible, given pieces within his capacity.

The course of study includes the following: Mazas's Practical Method for the Violin; Kayser, 36 Etudes, op. 20; Mazas's Etudes, op. 38; Blumenstengel's Etudes, Rud. Kreutzer's Etudes; P. Rade's 24 Caprices; pieces by Dancla, Behr, De Beriot, Brahms, Vieuxtemps, and others.

Band Instruments.

Students of band instruments may, as soon as is practicable, be admitted to membership in the University band, which is under the direction of an experienced bandmaster.

Voice Culture.

In this branch special stress is laid on the control of the breath, accuracy of tone, and distinct articulation; next, the development of mind, body, and voice, coöperatively. There is study of intervals, scale building, sight reading. As early as practicable the student is trained in phrasing. Musical expression is artistically developed in harmony with the individuality of the pupil. The exercises used are those best adapted to the needs of the pupil. Songs of the best American, English, German, Italian, and French composers are used according to the progress of the pupil. There is study of opera and oratorio.

Harmony.

Harmony includes keys, scales, intervals, formation of the triad, chord connections, and simple part writing, harmonizing basses, including all chords of the seventh and their inversions, altered and augmented chords, suspensions, and modulation.

Sight Reading.

All music pupils will be given practice in sight reading, which will be a great aid in their regular work.

Teachers' Course.

Those desiring to become teachers will be given special preparation when they are sufficiently advanced in their branches.

Diplomas and Certificates.

In replying to the many inquiries regarding the period of study required for graduation, it must be said that it is difficult to answer this question, as all depends upon the ability and application of the student. Some will accomplish in one year what it takes others two or three times as long to complete. The term varies from four to six years. A graduate must be able to give acceptably a recital in the chosen branch, besides passing examinations in harmony, and the history of music. Diplomas with the degree of Bachelor of Music are conferred upon graduates. On request, certificates are issued to those finishing a portion of the whole course. As the standard set in this department is that required by the best conservatories of the country, a diploma obtained under these conditions has a meaning.

A fee of five dollars is charged for the diploma.

MUSIC COURSE.**Leading to the Degree of B. Mus.**

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
Music lessons.....	2	Music lessons.....	2
Practice (6 hours).....	3	Practice (6 hours).....	3
English.....	4	English.....	4
United States History.....	3	Greek and Roman History....	3
Arithmetic.....	2	Elective.....	3
Total hours.....	15	Total hours.....	15

FRESHMAN.	Hrs. per week.	SOPHOMORE.	Hrs. per week.
Music lessons.....	2	Music lessons.....	2
Practice (12 hours).....	6	Practice (12 hours).....	6
Elocution.....	4	German 1 or French 1.....	3
English 1.....	3	Italian 1.....	3
		Elective.....	1
Total hours.....	15	Total hours.....	15

JUNIOR.	Hrs. per week.	SENIOR.	Hrs. per week.
Music lessons (2 piano or vocal, 2 harmony).....	4	Music lessons (2 piano or vocal, 2 harmony).....	4
Practice (12 hours).....	6	Practice (24 hours).....	12
German 2 or French 2.....	3		
Elective.....	2	Total hours.....	16
Total hours.....	15		

Music students not desiring to graduate, but merely to accomplish a specified amount of musical work, may have a special course laid out, according to their individual needs. Certificates stating just what they have taken will be given them upon request.

FIRST YEAR PREPARATORY.

List of Piano Music Used in the B. Mus. Course.

Kroeger's Elementary Course in Pianoforte Playing op. 38.
Duvernay's Ecole Primaire.
Loeschhorn's Easy Studies.

SECOND YEAR PREPARATORY.

Ascher's Twenty-four Studies.
Loeschhorn's Easy Studies; op. 65.
Plaidy's Technical Studies.
Clementi's Sonatina in C; op. 36; No. 1.
Kuhlau's Sonatina in C; op. 20; No. 1.
Haydn's Andante, from "Surprise" Symphony (arranged by Sidus).
Chopin's Spring Waltz (op. posthume).

Schumann's Melody; op. 68.
Heller's Petite Tarantelle.
Goldner's Gavotte Mignonne.

FRESHMAN.

Bach's Twelve Little Preludes.
Bertini's Studies; op. 29.
Lœschhorn's Studies; op. 66.
Czerney's Etudes de la Velocite.
Beethoven's Sonatinas in G and G minor; op. 49
Behr's Gavotte Pompadour.
Durand's Chaconne; op. 62.
Haydn's Gypsy Rondo.
Jungmann's Heimweh; op. 117
Moszkowski's Mazurka in G; op. 10; No. 3.
Mozart's Sonata in C; No. 7.
Schumann's Reverie (Traeumerei); op. 15; No. 9.

SOPHOMORE.

Heller's Studies; op. 47, 46, 45.
Cramer's Etudes (edited by Hans von Buelow). Books 1, 2.
Bach's Two Part Inventions.
Bach's Gavotte, G Minor.
Beethoven's Sonata in G; op. 14; No. 2.
Chopin's Mazurkas in B Flat, C and F.
Chopin's Preludes in E Minor, B Minor, and D
Greig's Albumleaf in E Minor.
Henselt's Morning Serenade.
Kroeger's Greeting to Spring; op. 20; No. 2.
Jensen's Happy Wanderer; op. 17; No. 2.

JUNIOR.

Cramer's Etudes (edited by Hans von Buelow). Books 3, 4.
Bach's Three Part Inventions.
Taussig's Daily Studies.
Kroeger's Humoresque, in E Major (Cradle Song); op. 9.
Liszt's Consolations in E Major and D Flat.
Mendelssohn's Songs Without Words. Nos. 2, 4, 6, 9, 12, 35.
Mozart's Sonata in A.
Reinecke's Sonatina in D.

Schubert's Impromptu in A Flat; op. 142.

Schumann's Abendlied.

Schumann's Warum?

Seeling's Schilflied op. 12.

SENIOR.

Clementi's Gradus ad Parnassum (Tausig).

Kullak's Octave Studies (edited by E. R. Kroeger).

Bach's Gavotte, D Minor.

Beethoven's Sonatas.

Chopin's Nocturnes; G Minor, B Major; F Minor.

Chopin's Valses; E Flat, A Minor, F, C Sharp Minor.

Chopin's Polonaise in A Major; op. 40; No. 1.

Chopin's Prelude in D Flat.

Jensen's Will o' the Wisp; op. 17.

Kroeger's Humoresque in E Minor; op. 9; No. 1.

Liszt's Serenade de Schubert.

Liszt's Love's Dream, Nocturne.

MacDowell's Shadow Dance.

Moszkowski's Valse in A; op. 18; No. 1.

Mozart's Fantasie and Sonata, C Minor.

Raff's Abends; op. 55.

Rheinberger's La Chasse; op. 5.

Schubert's Four Impromptus; op. 90.

Schumann's Romance in F Sharp; op. 28.

Schumann's Hunting Song; op. 82; No. 5.

Seeling's Barcarolle; op. 9.

Tschaikowsky's Chant Sans Paroles; op. 2; No. 2

List of Vocal Music Used in the B. Mus. Course

FRESHMAN.

Marchesi's Individual Exercises.

Panofka's Vocalises; op. 85.

Studies for sight-reading and easy songs.

Piano lessons for accompaniment playing.

SOPHOMORE.

Marchesi's individual exercises.

Panofka's Vocalises; op. 81.

Concone's Vocalises; op. 12.

Studies for sight-reading and songs of second grade.

Piano lessons for accompaniment.

JUNIOR.

Marchesi's individual exercises.

Sieber's Vocalises; op. 94.

Concone's lessons op. 17, and songs of some difficulty, including oratorio.

Harmony (Dr. Stainer's).

SENIOR.

Lamperti's studies in bravura.

Oratorio and operatic arias, and difficult songs in English, French, German, and Italian.

Harmony completed.

History of Music.

ELOCUTION AND PHYSICAL CULTURE.

I. Elocution.

1. *Psychological Development of Expression.* The mind is trained to appreciate language that all the varying shades of meaning may be brought out of it by clear and forcible speaking, and that the audience may be affected as the author intended. The imagination is cultivated, the emotional nature is developed and controlled, and the will is strengthened by learning to follow a train of thought. The effects are naturalness, directness, and repose.

Daily training in vocal interpretation on graduated steps from English classics. Eight volumes to be completed in four years. These extracts are arranged that the laws of oratory may be best illustrated by practice on them. Vocal and dramatic interpretation of "The Merchant of Venice," "Macbeth," "Hamlet," "As You

Like It," and "Twelfth Night." Study and vocal interpretation of "Saul," "Rabbi Ben Ezra," "Abt Vogler," "The Last Ride Together," and "Andrea del Sarto." Two of Tennyson's longest poems to be studied.

2. *Oratory.* A study and delivery of some of the great orations and the methods adopted by the leading orators; Bible and hymn reading; practice on the laws that govern universal art as applied to oratory and original speeches.

3. *Voice.* Lectures on the physiology and hygiene of the voice and the relation of the vital organs to the vocal; the fundamental principles of voice production and its relation to the nervous system. Deep and rhythmic breathing; placing of tones; projection of tone; development of resonance, flexibility, freedom, smoothness, purity, power, and brilliancy of tone. Voice as an interpreter of mental states and its relation to imagination and feeling.

4. *Visible Speech.* (Bell's Method) Diagrams and symbols of vowels and consonants. Instruction in forming vowels and consonants from objective ideals. Training the ear to detect all variations in the fundamental sounds. Overcoming individual defects in vocal organs. Clear articulation and perfect enunciation,

II. *Physical Culture.*

1. *Gymnastics.* The aim of this department is to develop the body symmetrically, and to acquire a normal condition as a basis for health and grace.

Work with gymnasium apparatus. Drill with wands, dumb bells, bars, Indian clubs, "setting-up exercises," marches, and fancy steps. Gymnasium games, including basket ball. Exercises adapted to overcome

individual defects. Rhythmic drills given to break lines of limitation and awkward appearance in the body.

The Emerson system of psycho-physical culture, together with other systems, as the Swedish and the Ralston, are used as the individual needs of the pupils require.

2. *Gesture.* The principles of Delsarte are used. Developing the mind to think intelligently on a subject, thereby causing the body to respond properly as an aid to this expression. Right concepts and proper physical drill to develop the whole body harmoniously.

The aim sought in gesture and bodily expression is truthfulness, completeness, unity, and intensity of expression with individuality and originality.

A text-book is used in gesture. The pupils are taught to analyze all gestural movements and to detect any false movement and the psychological state that caused it. By this method, after the pupil is trained, false bodily expression in rendering is as impossible as false sounds in vocal expression.

3. *Lectures.* On etiquette, morals, manners, laws of hygiene, hygienic dress, æsthetic and artistic culture as revealed by nature and art, and the relationship of nature and art.

ART.

MISS FRANCES McSWINE and MRS. CORDELIA BAIRD, *Teachers*,
206 East St.

Students of St. Louis School of Fine Arts; New York School of Fine Arts; Wm. Chase; F. Louie Mora; Frank DuMond; Howard Christy.

Branches Taught.

Drawing, oil, water color, and pastel; pen and ink, from still life, casts, and life; decorative art; wood carving; pyrography.

Regular Course.

FIRST YEAR.

Charcoal and pencil drawing from casts, still life, and nature.

Water color sketching from still life and nature.

SECOND YEAR.

Drawing from casts and life; painting in oil; pastel and water color from life and still life; and sketching out of doors in any medium.

THIRD AND FOURTH YEARS.

Drawing and painting in any medium from life, still life, and landscape; studies in composition.

A special course of free-hand drawing and water color has been arranged for students preparing for public school work.

Students wishing to study decorative oil alone are required to take a short course in drawing first. All students are required to read something of the history of art and artists, and as much as possible keep up with what is doing in the artistic world. A specialty is made of outdoor sketching. There will be a summer school in this line, beginning in April and lasting the entire summer.

THE AGRICULTURAL EXPERIMENT STATION.

Fayetteville.

WILLIAM GEORGE VINCENHELLER, 321 Washington Ave.
Director.

ROBERT ROBSON DINWIDDIE, M. D. 518 Leverett St.
Pathologist and Bacteriologist.

ERNEST WALKER, B. S. A.	524 Leverett St. <i>Horticulturist and Entomologist.</i>
GEORGE ALBERT COLE, B. S., A. M.	763 W. Dickson St. <i>Agriculturist.</i>
JOHN HENRY NORTON, B. Agr., B. S.	300 W. Center St. <i>Chemist.</i>
VICTOR ALBERT HOOPER.	300 W. Center St. <i>Instructor in Dairying.</i>

The national government established the experiment station as a department of the University in 1887, and maintains it to investigate agricultural problems for the aid of the farmers of the state.

The work of the experiment station is divided into the special lines of agriculture, horticulture, and entomology; chemistry, animal and plant diseases; animal production, pomology, and farmers' institute work. Specialists are employed in each line, and experiments are made both in the field and in the laboratory in the improvement of soils, the rotation of crops, diseases of plants and domestic animals, in fertilizers, the value of stock foods, dairying, and other matters. Students interested in agricultural subjects are given opportunity to observe the experiments and to acquaint themselves with the work of the station in its various departments; the bulletins are also available for their use. The experiments and their results are published in eighty-six bulletins, which are sent free to farmers, stock raisers, and fruit growers of the state, and to others interested in agriculture.

Those who desire the station bulletins should apply for them to the director of the station, Fayetteville, Ark. One application is sufficient to obtain all future bulletins if desired. The following bulletins are not yet out of print:

19. Farm Manuring.
22. Sorghum and Sugar Cane Culture—Syrup and Sugar Making on small Farms.
23. Cotton—Maintenance of Cotton Soils and their Improvement Without Commercial Fertilizer. Feeding Vegetable Matter to Cattle before Using as a Fertilizer.
25. Animal Pathology.
27. Agriculture—Late Crops for Overflow Lands—Corn.
28. Agriculture—Rye for Green Winter Feeding—Fertilizer Experiments with Rye—Onion from Seed, etc.
29. Agriculture—Wheat Experiments on Sandy Loam Soil—Some Grass Experiments on Clay Loam Soil.
30. Stock Feeding.
31. Agriculture—Fattening Mature Steers on Cotton Seed and Cowpea Hay.
32. Farm Drainage—Protection of Soil from Surface Washing. Drainage of Wet Lands. Indications of the Need of Drainage.
33. Remedies for Destroying them.
34. Vegetable Gardening—Culture and Fertilization.
40. On the Toxic Properties of Moulds—Investigation of Stock Diseases.
41. A Succession of Crops for Pork Production.
42. Wheat or Milling Products.
43. Horticultural Reports.
44. Vegetable Gardening.
46. Improving Worn Soils with Legumes.
47. Principles of Farm Manuring.
51. Communicable Diseases.
52. Feeding Cotton Seed and Meal.
53. Chemistry of Wheat.
54. Feeding Test of Foods for Producing Pork.
55. Orchard Cultivation.
56. Tomatoes, Onions, etc.
57. Relative Virulence for the Domestic Animal of Human and Bovine Tubercle.
58. Grazing of Steers, and Other Experiments.
59. Experiments with Corn in Different Latitudes.
60. Second Report on the Arkansas Seedling Apple.
61. Hay and Pasture Plants for Arkansas Soils.

62. Wheat Experiments.
63. The Relative Susceptibility of the Domestic Animal to the Contagia of Human and Bovine Tuberculosis.
64. Notes on Celery.
65. Pig Feeding Experiments.
66. Oat Experiments.
67. Investigation of Swine Diseases in Arkansas.
68. Soil Improvement and Forage Experiments.
69. Some Muskmelon Experiments.
70. Cowpea Experiments.
72. Sweet Potato Experiments.
73. Pork Production and Hog Ranching.
74. Phosphates of Arkansas.
75. Alfalfa.
76. Pig Feeding Experiments with Cotton Seed Meal.
77. Cowpea Experiments.
78. Edible Oils.
79. Peach Growing in Arkansas.
80. Cowpea Hay.
81. Fertilizers.
82. Live Stock Sanitation in Arkansas.
83. Broom Corn Suggestions.
84. Peanuts.
85. Cotton Food Products in Hog Feeding.
86. (a) Asparagus and Rhubarb.
(b) Fertilizers Registered for Sale in Arkansas during the Year 1905.

THE MEDICAL SCHOOL.

Little Rock.

HENRY SIMMS HARTZOG, LL. D.,
President.

JAMES A. DIBRELL, M. D.,
*Professor of General Descriptive and Surgical Anatomy, and
President of the Faculty.*

EDWIN BENTLEY, M. D., U. S. A. (Retired),
Professor of Principles and Practice of Surgery.

- C. WATKINS, M. D.,
Professor of the Practice of Medicine.
- JAMES H. LENOW, M. D.,
Professor of the Diseases of Genito-Urinary Organs.
- LOUIS R. STARK, M. D.,
Professor of Gynecology.
- E. R. DIBRELL, M. D.,
Professor of Physiology, Physical Diagnosis, and Clinical Medicine.
- FRANK VINSONHALER, M. D.,
Professor of Ophthalmology and Otology.
- THOMAS N. ROBERTSON, A. B., LL. B.,
Professor of Medical Chemistry and Toxicology.
- W. H. MILLER, M. D.,
Professor of Obstetrics.
- F. L. FRENCH, M. D.,
Professor of Materia Medica, Therapeutics, Hygiene, and Botany, and Secretary of the Faculty.
- CARLE E. BENTLEY, M. D.,
Professor of Clinical Surgery and Dermatology.
- JOHN R. DIBRELL, M. D.,
Professor of Surgical Pathology and Bacteriology.
- W. C. DUNAWAY, M. D.,
Demonstrator of Anatomy.
- E. E. MOSS, A. M., LL. B.,
Professor of Legal Medicine.
- R. W. LINDSEY, M. D.,
Lecturer and Clinical Instructor in the Practice of Medicine.
- C. E. WITT, M. D.,
*Lecturer and Clinical Instructor in the Practice of Medicine,
and Adjunct Professor of Materia Medica and Therapeutics.*
- H. C. STINSON, M. D.,
Lecturer and Clinical Instructor in the Diseases of the Nervous System.
- MORGAN SMITH, M. D.,
Lecturer and Clinical Instructor in the Diseases of Children.

- ANDERSON WATKINS, M. D.,
*Adjunct Professor of Physiology, and Assistant in Clinical
Surgery and Dermatology.*
- W. A. SNODGRASS, M. D.,
Assistant in Gynecology.
- J. G. WATKINS, M. D.,
Assistant in Otology and Ophthalmology.
- S. R. STOVER, M. D.,
Assistant in Clinical Medicine.
- A. E. SWEATLAND, M. D.,
Assistant Demonstrator of Anatomy.
- A. L. CARMICHAEL, M. D.,
Assistant Demonstrator of Anatomy.
- OSCAR GRAY, M. D.,
Assistant Demonstrator of Anatomy.

Twenty-seventh Annual Announcement

OF THE

MEDICAL SCHOOL OF THE UNIVERSITY OF ARKANSAS.

The regular course of lectures will begin on Monday, October 16, 1905, and continue until April 14, 1906.

Lectures will be delivered daily during the six days of each week.

The matriculation book will be open from and after September 1 to students desiring to matriculate early and secure choice of seats.

In making this annual announcement the faculty feels great satisfaction in referring to the continued success and prosperity of the medical department. The cordial indorsement of the Arkansas Medical Society, and the generous influence of the medical profession

throughout the state, are highly appreciated and encourage the members of the faculty to continue the arduous labors which they have so long and zealously maintained.

Four Years' Graded Course.

The advanced stand taken by the faculty in adopting the four years' graded course as required by the Association of American Medical Colleges, seems to be appreciated by members of the medical profession, and students as well, as is shown by the number and higher educational standing of students since its adoption.

It is a source of satisfaction to the faculty that this school has been a member of the American Medical College Association since the foundation of the latter, and has always been in favor of the very highest standard for graduates of medicine.

The demands of modern medicine are such that after long experience it has been fully demonstrated that a shorter term of study is wholly inadequate for any student, no matter what his capabilities are, to acquire a thorough medical education. Moreover, in the present crowded state of the profession, there is no longer any room or demand for half-taught and partly educated physicians, and only those who are fully trained and thoroughly educated are fitted for the responsible duties of a physician, or are likely to succeed in their chosen profession.

So universal is the demand for higher medical education that in many states boards of health and other constituted authority refuse to license graduates of medical schools having a shorter term of study than four years.

Matriculation.

As required by the rules and regulations of the Association of American Medical Colleges, students on matriculating are required to present (a) credentials showing that they are matriculates or graduates of recognized colleges of literature, science or arts, of high schools, academies, normal schools, or equivalent schools, or (b) teachers' certificates.

Graduates and matriculates in medicine, dentistry, or pharmacy, on presenting proper credentials, are exempt from the entrance examination.

To avoid delay, students entitled to matriculate without examination are requested to bring their certificates with them and present them on arrival at the college.

Students not entitled to exemption, as hereinbefore provided, are required to pass an entrance examination, with the following requirements: the writing of an English composition of not less than two hundred words; the translation of easy Latin prose; a knowledge of the elements of arithmetic or algebra and of elementary physics.

Students who may be unsuccessful on their entrance examinations, or any subject or subjects, are allowed one year to qualify themselves; they may register and pursue their studies one year, but they cannot begin the studies of the second year until they have passed the required entrance examination.

These examinations are reasonable, their only object being to ascertain whether students are sufficiently educated to profit by medical study.

Students who have the entrance requirements will be entitled to additional credit for time on the four years'

course, as follows: (a) To students having the A. B., B. S., or equivalent degrees from reputable literary colleges, one year of time. (b) To graduates and students of colleges of homœopathic or eclectic medicine, as many years as they attended those colleges, provided they have met the previous requirements of this school and passed an examination in materia medica and therapeutics. (c) To graduates of reputable colleges of dentistry, pharmacy, and veterinary medicine, one year of time.

Curriculum.

FIRST YEAR.—Anatomy, Practical Anatomy, Physiology, Chemistry Physics, Histology, Medical Ethics, and Materia Medica.

SECOND YEAR.—Anatomy, Practical Anatomy, Physiology, Chemistry, Materia Medica, Pathology, Obstetrics.

THIRD YEAR.—Materia Medica and Therapeutics, Toxicology, Obstetrics and Diseases of Children, Physical Diagnosis, Diseases of the Eye and Ear, Practice of Medicine, Surgery.

FOURTH YEAR.—Review of all branches—Practice of Medicine, Surgery, Dermatology, Gynecology, Bacteriology, Urinology, Venereal Diseases, Diseases of the Nervous System, Medical Jurisprudence.

Students are required to stand an examination each year before being advanced.

Location.

The city of Little Rock is conveniently situated in the center of the state, and railroads enter from every direction, making it easily accessible.

It has a population of more than sixty thousand, and has always been classed as one of the healthiest cities west of the Mississippi River. Few places can boast of better educational facilities than Little Rock.

All of the eleemosynary institutions of the state are located here. These are the school for the blind, the deaf mute institute, and the insane asylum.

Medical School Building.

The new structure is an imposing edifice, three stories in height, constructed of brick, and admirably arranged for the convenience of both students and instructors.

It has a large lecture hall, a fine amphitheater with chairs, a library, a reading room, a museum, several dissecting rooms, all well lighted and ventilated. In fact, it is designed to be a modern and model medical college building. It is situated on Second and Sherman Streets.

Hospitals.

By the munificence of the late Colonel Logan H. Roots, and the benevolence of his widow, the city of Little Rock possesses the elegant Logan H. Roots Memorial Hospital. The medical department of the University is fortunate in having this hospital situated on lots adjoining and directly connected with its own building, thus giving greatly increased clinical facilities.

St. Vincent's Infirmary, designed solely for the treatment of acute diseases, has a capacity of nearly a hundred beds. This hospital is splendidly equipped and furnished with modern conveniences and improvements, is in the very best sanitary condition, and under the supervision and management of trained nurses, sisters of charity. This magnificent institution, conveniently situated, is the finest and best equipped institution of its kind in the Southwest, and is up-to-date in every respect.

The Pulaski County Hospital, erected at a cost of some thirty thousand dollars, is a handsome brick structure, well arranged, complete in all its equipments, and has a capacity of two hundred beds.

Victims of railway accidents, marine patients, and the sick and injured of the city, county, and state, find in these hospitals shelter, food, raiment, and that Christian attention so cheering and comforting in sickness and distress. The inmates of these different institutions embrace all classes and conditions of people—white, colored, male, female, adults, and children. Among them is found almost every form of malady, except quarantinable diseases, which are otherwise provided for.

The Isaac Folsom Clinic.

This clinic is thus designated in honor of the late Dr. Folsom, and in consideration of his liberal endowment with the sum of twenty thousand dollars. The daily instruction in this clinic is thoroughly practical, and is attended by a large number of outdoor patients from the city and surrounding country. It embraces a wide range of diseases and injuries. More than six thousand patients were in attendance last year.

Methods of Teaching.

Instruction will be given by didactic and clinical lectures, practical work in the dissecting room, chemical and physiological laboratories, and by daily quizzes on the subject of preceding lectures.

When the subject will permit of it, each branch will be so illustrated by means of diagrams, charts, models, and instruments, as to address the understanding of the student through the medium of sight as well as hearing.

Text-Books.

The faculty recommends one or the other of the following text-books in the several departments:

Surgery.—Wyeth, Da Costa, American Text-book of Surgery, Warren and Gould, Dennis' System.

Orthopedic Surgery.—Whitten, Moore.

Operative Surgery.—Stimson, Zucker, Kande, Wharton.

Materia Medica and Therapeutics.—Hare, Schleif, Butler, Potter, Stevens.

Theory and Practice.—Anders, Thompson, Tyson, Osler.

Diagnosis.—Musser, Hare, Simon, Tyson.

Anatomy.—Gray, Morris, Gerrish's Text-book.

Physiology.—Kirk, Stewart.

Histology.—Dunham, Baum, Davidhoff and Huber.

Bacteriology.—Abbott, Park, Williams, Gorhams.

Pathology.—Green, Mallory and Wright, Delafield.

Chemistry.—Simon's Manual of Chemistry, Rockwood's Chemical Analysis for Medical Students, Reese's Manual of Toxicology.

Obstetrics.—Hirst, Jewett, Williams.

Diseases of Women.—Thomas and Munde, Montgomery, Penrose, Pryor.

Diseases of Children.—Holt, Tuttle, Taylor and Wells.

Diseases of Eye.—Swanzy, Jackson.

Diseases of Ear, Throat, and Nose.—Bacon, Burnett, Coakley, Kyle.

Genito-Urinary Organs.—Keyes, Morton, Taylor.

Dermatology.—Jackson, Croker, Shoemaker.

Botany.—Gray.

Dictionary.—Dunglison, Goulds, Dorland.

Hygiene.—Harrington, Bergey.

Rectum.—Gant, Tuttle.

Expense of Living.

The expense of living in the city of Little Rock will, of course, vary according to the views and habits of the students. Good board, at the present time, including lodging fuel, and lights, may be had, at a convenient

distance from the college, at from four dollars to six dollars per week, and from thirteen dollars to eighteen dollars per month.

Students on their arrival are requested to visit the University building, at the corner of Second and Sherman Streets, where a list of persons desiring to board medical students will be found.

Persons desiring further information are requested to address the secretary of the faculty.

Requisites for Graduation.

Each candidate for graduation must produce satisfactory evidence of good moral character, and of having attained the age of twenty-one years.

No candidate shall be eligible for final examination for graduation unless he files the proper official evidence that he has matriculated at some regular college for four sessions, and in the course of the same has attended four full courses of instruction in anatomy (including dissections), physiology, chemistry, materia medica, therapeutics, obstetrics, surgery, pathology, bacteriology, and practice of medicine. The last of the four full courses must be attended at the Medical School of the University of Arkansas. No four consecutive courses of instruction shall be held as satisfying these requirements unless the time between the beginning of the first course and the end of the fourth is greater than forty-two months. The candidate must have paid all the college fees. He must present to the secretary before the first of March the amount of his graduation fee. In case of failure to pass a satisfactory examination the money will be refunded.

Fees.

Table of Fees for every Year of the four-year Course:

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Matriculation.....	\$ 5 00			
Professors, lectures, etc.....	60 00	\$60 00	\$60 00	\$60 00
Graduation, diploma, etc.....		.....	.....	25 00
Total.....	\$65 00	\$60 00	\$60 00	\$85 00

There are no fees for special courses or quizzes in this college. No professor or assistant is allowed to receive a fee for instruction.

No extra charge will be made for dissecting material, demonstrator's or hospital tickets.

No variation is made, under any circumstances, from the established fees of the school, they having been placed originally at the very lowest figure commensurate with the interests of both student and school.

Alumni are requested to inform the secretary of their present post-office address, and of any change of location, in order that they may have the annual catalogue forwarded them regularly.

Twenty-sixth Annual Commencement.

The twenty-sixth annual commencement exercises were held Wednesday, April 12, 1905, at Old Concordia Hall, 8 o'clock p. m.

The annual address was delivered by President Henry Simms Hartzog, LL. D., of Fayetteville, and the valedictory by Dr. W. C. Dunaway, M. D., Demonstrator of Anatomy.

Prizes Awarded in 1904.

The gold medal offered by the State Medical Society of Arkansas to the graduate passing the best examination in all branches, was awarded to Dr. C. A. Glover, of Brookside, Ark.

A case of instruments, offered by Dr. Vinsonhaler, Professor of Ophthalmology and Otology, to the student passing the best examination in that branch, was awarded to Dr. C. A. Glover, of Brookside, Ark.

A cash prize of twenty-five dollars, offered by Dr. William Thompson, of Little Rock, to the student passing the best examination in anatomy, was awarded to Dr. G. G. Woods, of Huntington, Ark. A copy of Morris's Anatomy, offered by Dr. William Thompson, to the student passing the second best examination, was awarded to Dr. M. D. Ogden, of Little Rock, Ark.

A cash prize of ten dollars, offered by the demonstrator of anatomy for the best dissection made in the anatomical rooms, was awarded to Dr. W. C. Green, of the Junior Class.

The faculty prize, of a pocket case of instruments for the best dried anatomical specimen, was awarded to Dr. O. K. Judd, of the Junior Class.

Prizes Offered in 1904-1905.

Dr. William Thompson, of Little Rock, offered a prize of twenty-five dollars to the student who passed the best examination in anatomy, and a copy of Morris's Anatomy to the student who passed the second best examination in anatomy.

The Arkansas Medical Society offered a gold medal, bearing the seal of the society, to the student passing the best examination in all branches.

The faculty offered a prize of a pocket case of instruments to the student who presented the best dried anatomical specimen.

The demonstrator of anatomy offered a prize of ten dollars for the best dissection made in the anatomical rooms.

Dr. Vinsonhaler, Professor of Ophthalmology and Otology, offered a case of instruments to the student passing the best examination in that branch.

LAW SCHOOL OF THE UNIVERSITY OF ARKANSAS.

HENRY SIMMS HARTZOG, LL. D.,
President.

Faculty.

J. H. CARMICHAEL, LL. B., DEAN,
Contracts, Equity Jurisprudence and Corporations.

JOHN FLETCHER, LL. M.,
Real Property.

GEORGE W. MURPHY, LL. B.,
Law of Evidence.

TOM M. MEHAFFY, LL. B.,
Law of Torts.

EDWARD W. WINFIELD, LL. B.,
Pleading and Practice.

JAMES F. LOUGHBOROUGH, LL. B.,
Conflict of Laws.

LEWIS RHOTON, LL. B.,
Domestic Relations.

THOMAS N. ROBERTSON, LL. B.,
Agency, Commercial Paper, and Judgment.

THOMAS E. HELM, LL. B.,
Partnerships and Insurance.

AUGUSTUS M. FULK, LL. B.,
Criminal Law, Practice, and Procedure

JAMES P. CLARKE, UNITED STATES SENATOR,
Lecturer.

JUDGE JACOB TRIEBER,
Lecturer.

HON. MORRIS M. COHN,
Lecturer.

HON. JAMES M. HARROD,
Lecturer.

HON. GEORGE B. ROSE,
Lecturer.

Course of Instruction.

The course of instruction covers a period of two years, consisting of four terms. A shorter period is deemed insufficient for the proper preparation of the student of the law for his profession. In the language of a distinguished jurist, "He who is not a good lawyer when he comes to the bar will seldom be one afterwards." The method of instruction consists of daily recitations upon previously assigned lessons in the text-books, with special lectures to emphasize the conclusions of the author and to enlarge the student's conception of them. The system of instruction, with daily recitations largely predominating, is regarded as superior to either the recitation or lecture system when pursued alone. In addition, students are required to prepare and submit to the professors legal papers in the form of briefs upon the various topics of the text-writers, thus combining the abstract theory of the law with its practical application to the different sets of facts embraced in the various decisions of the courts consulted by the student in preparing his paper. The course of study for the two years will embrace the subjects named and assigned, as follows:

JUNIOR YEAR.

FIRST TERM.—Contracts, Agency, Commercial Paper, Torts, Bailment.

SECOND TERM.—Criminal Law, Evidence, Pleading, Insurance, Partnership.

SENIOR YEAR.

FIRST TERM.—Real Property, Equity, Corporations, Domestic Relations, Frauds, and Fraudulent Conveyances, Sales.

SECOND TERM.—Real Property, Judgments, and Lectures upon Constitutional Limitations, Private and Public International Law, Federal Practice, Bankruptcy, Medical Jurisprudence, Legal Ethics.

The first term of both Junior and Senior courses begins on the third Monday in September, and ends on the 23d of January following; the second term of each course begins on the 25th of January and ends on the first Friday in June.

Admission.

While we fully appreciate the advantages of a thorough collegiate training in the various academic branches as a preparation for the study of the law, we have not made this acquirement a prerequisite to admission to this department. Applicants will be permitted to take up the studies of the Junior course who are possessed of a fair English education, such as may be acquired in our public schools. Students may be admitted to the Senior course upon producing sufficient proof of their having given the necessary time and study to the different subjects of the law, either in another law school or under the direction of a practicing lawyer, but no student will be granted the degree until he has passed a satisfactory examination on all the branches embraced in the full course for two years.

List of Text-Books.

Tiedeman on Real Property, Greenleaf on Evidence, Eaton on Equity, Clarke on Criminal Law, Anson on Contracts, Reinhard on Agency, Mechem on Elements of Partnership, Daniel and Douglas on Negotiable Instruments, Clarke on Corporations, Van Zile on Bailments, Hale on Torts, Freeman on Judgments, Rogers on Domestic Relations, Tiffany on Sales, Bryant on Code Pleading, Cooley on Constitutional Law, Minor on the Conflict of Laws, Elliott on Insurance, Frank on Bankrupt Law, Curtis on Federal Practice and Procedure, Ewell on Medical Jurisprudence. Legal Ethics. Lectures.

Moot Courts.

Moot courts begin with the last term of the Junior year and continue throughout the course, and are termed the judicial department of the school, and embrace all the courts—justice, probate, circuit, and supreme—all modeled according to the constitutional requirements of the state.

The supreme court shall consist of three judges, a chief justice, and two associates. The circuit court shall consist of one judge, a clerk, and a sheriff, to be elected by the students. County and probate court shall consist of one judge, a sheriff, and a clerk, to be elected by the students. Justice of the peace court shall consist of a member of the Senior class, who shall be elected by the student body.

These courts shall be under the immediate supervision of the dean, who will be assisted by the members of the faculty in compiling statements of facts embracing principles of law pertaining to the respective branches under their instruction.

Goar Lyceum.

This society is composed of the students of both the Junior and Senior years, and meets regularly every

Wednesday night during the session. The exercises consist chiefly of theses and debates embracing subjects legal in their nature. The performance of these exercises is insisted upon by the faculty, for such practice enables the student to acquire the invaluable art of learning to think while on his feet, besides giving him an easy manner of address in public speaking.

Examinations.

Written examinations are held each term in the presence of a member of the faculty.

Degrees.

The degrees of Bachelor of Laws is conferred upon all students who have passed an examination on each of the subjects embraced in the course, and have attained the average standard grade of proficiency.

Class Honors.

Upon the student attaining the highest average grade in a class is conferred the first honor; upon the one attaining the next highest, the second honor; and upon the one making the next highest, the third honor.

The faculty authorize the selection of three orators to deliver orations at the commencement exercises, as follows: The Senior class, one; the Junior class, one; and the Goar Lyceum, one.

Advantages of Location.

Each student may use the supreme court library, which contains about twenty thousand volumes, including all the reports from the year books to the seventieth Arkansas. During his course of two years the student may see one session of the legislature. The supreme

court is in session about nine months of the year. A federal district court and the circuit court of appeals hold a session in Little Rock each winter. Two state circuit courts are in session about nine months in the year. The student of equity has an opportunity to observe some of its practical workings in a chancery court. Little Rock has a county and probate court, and about fourteen justices of the peace. The members of the Little Rock bar are kind and courteous to students and willing to aid them in any and every way. As Little Rock has a semi-tropical climate, it is just the place to spend a winter free from intense cold.

Professional Ethics.

While endeavoring to impart a knowledge of the fundamental principles of the law, the subject of professional ethics will be given special attention and its demands constantly impressed upon the minds of the students as indispensable to the attainment of an honorable and successful career as a lawyer.

Admission to the Bar.

By a recent act of the legislature all graduates of the law department of the University of this state are admitted to the practice of law in the supreme court and all inferior courts of the state without the requirement of an examination.

Tuition and Expenses.

Tuition, per course of one year.....	\$ 50 00
Tuition, per course of two years.....	100 00
Board and lodging, per month.....	\$15 to 20 00
Text-books (if desired by student), per annum.....	50 00
Diploma.....	5 00

No library or society fees are required of students.

All communications should be addressed to the secretary,

T. N. ROBERTSON, LL. B.,

Little Rock, Ark.

BRANCH NORMAL COLLEGE.

- ISAAC FISHER, PRINCIPAL,
Psychology, Ethics, and Pedagogy.
- JOHN H. MICHAEL,
Mathematics, Architectural Drawing, English.
- WILLIAM B. CHITTENDEN,
Ancient and Modern Languages, Mathematics.
- IRENE V. COLEMAN,
Algebra, Arithmetic, Ancient History.
- JULIA O. WRIGHT,
Geography, United States History, Typewriting, Music.
- SADIE M. PEEBLES,
Free Hand Drawing, English, Arithmetic.
- MATTIE I. BENSON,
Dressmaking, Music.
- B. N. WILSON, B. Sc. M. E.
Superintendent of Mechanic Arts.
- W. S. HARRIS,
Assistant Superintendent of Mechanic Arts.
- J. L. ROSS,
Machine Shop and Forge.

General Statement.

The Branch Normal College is a department of the University of Arkansas, established pursuant to an act of the general assembly of the state of Arkansas, approved April 25, 1873, and has been in operation since September 27, 1875. Its primary object is the training of teachers for efficient service in the colored public schools of the state. Tuition is made free to all appointees, the only requirements for admission being suitable age and qualification, appointment by one of the county judges, and the payment of the matriculation fee of five dollars. Other students pay in addition one dollar per month in advance.

Equipment.

The college property consists of a beautiful tract of twenty acres of ground, in the suburbs of Pine Bluff, Jefferson County. A handsome and comfortable school building, a dormitory for girls, and manual training shops, containing as complete an equipment as can be found in any similar shops in the South.

Requirements of Admission.

Candidates must be at least sixteen, if young men, and fourteen, if young women; and must pass satisfactory examinations in arithmetic, English grammar, geography, and United States history.

Appointment of Beneficiaries.

By the laws of the state, the appointment of students to the Branch Normal College in numbers from each county in the state is the same as to the parent University at Fayetteville. The power is vested in the county courts, but any vacancies occurring during the vacations of the court shall be filled by the judge of the county court.

All students thus appointed are entitled to four years' free tuition upon the payment of five dollars' matriculation fee in advance at the time of entering the institution.

These appointments are not transferable, and students holding them must be very careful that their conduct is not such as will lead to their forfeiture; and it may also be stated that the principal reserves the right to declare forfeited the appointments of those students who are not present at the opening of the autumn term.

Students planning to enter the school should go to their county judges for appointments, which, if received,

must be brought to the college. Blanks for appointments may be secured by addressing Principal Isaac Fisher, Pine Bluff, Ark.

Normal Department.

The college offers a good course of training for those who plan to become teachers. More and more the aim will be to give scientific instruction in the matter of teaching the branches of public schools. Arrangements have been made with the superintendent of the Pine Bluff public schools by which the student-teachers of this college may inspect the school system in actual operation. Candidates completing the work of this department will be granted the certificate of Licentiate of Instruction (L. I.). Applicants must pass a satisfactory examination in the ordinary English branches to be able to enter the school.

Classical Department.

Candidates completing this course will be granted the degree of Bachelor of Arts (A. B.), but no candidate failing to write and submit an original thesis to the teacher of English will be given this degree. The subject of this thesis must be selected in December of the Senior year.

The Mechanic Arts Department.

This department offers a splendid opportunity to young colored men to become skilled blacksmiths, machinists, engineers, and firemen. The mechanic arts course and the manual training normal course are strong combinations of shop work and literary training. It is hoped that these courses will from time to time attract

young men who desire to fit themselves for higher usefulness by preparing for the pursuit of those occupations for which there is a strong demand. In addition to these there is offered a course in woodworking, which comprises cabinet making, pattern making, and carpentry.

Department of Dressmaking.

Young women are here given an opportunity to learn plain sewing, crocheting, and art needlework. There is a fine outfit of sewing machines and other requisites for doing the work planned by this department.

Typewriting and Stenography.

These subjects are taught one hour each day. Short-hand classes will be formed whenever a sufficient number of students desire to pursue this study.

Military Drill.

The young men of the college have been organized into a battalion of cadets to promote habits of neatness, order, and punctuality, and to develop an ennobling self-control in every young man connected with the school.

Under the military system thus established, it is aimed to exercise that control of the cadets which is so essential to easy and proper discipline. All young men are subject to the drill regulations.

Physical Exercise.

An athletic association for the purpose of fostering clean athletics and at the same time giving healthful exercise, has been organized under the direction of a

member of the faculty who will see that no excesses are indulged in and that sports do not interfere with the work of the other departments. Physical culture for young women is also a feature of the college work.

Public Rhetoricals.

Twice every month public rhetoricals are held in the chapel and all students are subject to assignment on the programs.

Religious Life.

Prayers are held in the chapel every morning except Saturdays and Sundays. All students are required to attend these devotions. On Sundays, the students who board in the town attend the various churches, while the girls living in the dormitory are taken to the churches of their several choices by members of the faculty.

Holidays.

The exercises of the college are suspended for one day at Thanksgiving, one on Washington's Birthday, and about ten days at Christmas.

Lecture Course.

A course of lectures on live topics is given during the year. These are free, both to the students and to the public.

Trustee's Prize.

This prize consists of twenty-five dollars, and is given to "that member of either of the two highest classes who shall during commencement week pronounce the best oration on any one of a number of subjects to be selected by the principal."

General Exercises.

The general exercises include reviews of the Sunday school lessons and of the events of the week; also music and drawing. There are regular lessons in vocal music which are given to all students. Students will frequently be required to give public evidence of their skill in using the library intelligently. All exercises must be attended faithfully.

Expenses.

For all students, entrance fee, in advance.....	\$ 5 00
Board, fuel, and light, for girls in the dormitory.....	8 00
Board, fuel, and light, in private families.....	\$8.00 to 10 00
Non-beneficiary students, for tuition, per month.....	1 00
Books at usual retailers' price.	
Entrance fees and board bills are payable in advance.	

For further information concerning any department of the college, address the principal,

ISAAC FISHER,

Pine Bluff, Ark.

PART III.

STUDENTS IN 1904-5.

GRADUATES IN 1904. ALUMNI.

Register of Students.

THE COLLEGE.

Abbreviations.—B. A., Bachelor of Arts; B. S., Bachelor of Science; B. M. E., Bachelor of Mechanical Engineering; B. C. E., Bachelor of Civil Engineering; B. Mi. E., Bachelor of Mining Engineering; M. A., Master of Arts; M. S., Master of Science; C. E., Civil Engineer; E. E., Electrical Engineer; M. E., Mechanical Engineer; L. I., Licentiate of Instruction:

Name	Course	Postoffice	County
Graduates.			
Bloom, John Rhine,	B. E. E., E. E.	Pine Bluff	Jefferson
*Clancy, William	B. C. E., C. E.	Butte	Mont.
*Cochrane, Victor Hugo, B. C. E.,	C. E.	Kansas City	Mo.
Gibson, Freeman Irby, B. S.,	M. S.	Little Rock	Pulaski
*Lander, Ross Sears, B. C. E.,	C. E.	Ziegler	Ill.
Leverett, Edward Vaulx, B. M. E.,	M. E.	Fayetteville	Washington
Mock, Lucy Byrd, B. A.,	M. A.	Fayetteville	Washington
Seniors.			
Abercrombie, Bertha	B. A.	Pactolus	Benton
Beard, Abner Hamilton	B. C. E.	Wynne	Cross
Carr, Wallace Bradbury	B. S.	Quincy	Mass.
Carter, Edward Leroy	B. A.	Franklin	Washington
Chapman, Johnson	B. C. E.	Lake Village	Chicot
Cockrill, Emmett	B. M. E.	Little Rock	Pulaski
Cole, Mary Elizabeth	B. A.	Fayetteville	Washington
Cooke, Charles Maynard	B. S.	Fort Smith	Sebastian
Cromwell, Charles Williamson	B. C. E.	Fort Smith	Sebastian
Davis, John Benjamin	B. S.	Chelsea	Ind. Ter.
Dickinson, William Emmett	B. S. A.	Horatio	Sevier
Grubbs, John Monroe	B. A.	Eddy	Drew

*Not in residence.

Name	Course	Postoffice	County
Hudgins, Jay Guy	B. A.	Fayetteville	Washington
Irby, Alvin Stull	B. A.	Black Rock	Lawrence
Jackson, Bruen Overton	B. A.	Hamburg	Ashley
Jefferies, Samuel Smith	B. A.	Clarendon	Monroe
Jones, Coulter W.	B. S.	Lono	Grant
Jordan, Grace	B. A.	Fayetteville	Washington
Kitchens, Benton Mackey	B. A.	Paragould	Greene
Kunz, Elmer Huett	B. A.	Fayetteville	Washington
Lark, William Henry	B. C. E.	Lancaster	Crawford
Legate, Ray Holme	B. S.	Mena	Polk
McGehee, Ben	B. C. E.	Little Rock	Pulaski
Mesler, Rector Duval	B. S.	Fayetteville	Washington
Morrow, Donald Blackburn			
	B. E. E.	Booneville	Logan
Olney, Lee Sedwick	B. E. E.	Mena	Polk
Pope, Norman Percy	B. S.	Monticello	Drew
Pratt, Fletcher Howard	B. C. E.	Fayetteville	Washington
Reves, Claude Myrtle	B. A.	Alma	Crawford
Van Valkenburgh, Horace			
Bulle	B. S.	Warren	Bradley
Webb, Charles Wallace	B. S.	Texarkana	Miller
Webster, Fay	B. E. E.	Marvell	Phillips
Whitehead, Alexander			
Dixon	B. S. A.	Taylor	Lafayette
Williams, Beulah	B. A.	Fayetteville	Washington

Juniors.

Andrix, Earle R.	B. M. E.	Bentonville	Benton
Austin, Robert Lee	B. S.	Fayetteville	Washington
Ballard, Ben Calvin	B. A.	Fayetteville	Washington
Barrett, Frank Brown	B. C. E.	Jonesboro	Craighead
Black, Clarence Neeley	B. C. E.	Hope	Hempstead
Blackshire, Plaut Leslie			
	B. C. E.	Crockett	Clay
Borders, John Mallory	B. S. A.	Fayetteville	Washington
Brockman, Edward Wilson			
	B. A.	Garnett	Lincoln
Brunskog, Carl Waldemar			
	B. C. E.	Bentonville	Benton

Name	Course	Postoffice	County
Buford, Charles Homer	B. C. E.	Newport	Jackson
Campbell, Lonnie Lee	B. A.	Newport	Jackson
Clegg, Chester Bennett	B. C. E.	Siloam Springs	Benton
Collins, Thomas Abe	B. A.	De Queen	Sevier
Craig, Percy Gaines	B. A.	Little Rock	Pulaski
Croom, Cleveland White	B. A.	Dardanelle	Yell
Dalton, Charles E.	B. E. E.	Fayetteville	Washington
Ethridge, Frank Rice	B. C. E.	Hope	Hempstead
Feild, William Terry	B. M. E.	Little Rock	Pulaski
Foreman, Charles Doss	B. S. A.	Chelsea	Ind. Ter.
Freeman, William A., B. A., B. S.	B. C. E.	Paris	Logan
Friedell, Dupree Julian	B. C. E.	Texarkana	Miller
Gardner, Joseph Watt	B. A.	Larkin	Izard
Gray, Justin Gilbert	B. A.	Hickory Valley	Independence
Harding, Charles Tomlinson	B. C. E.	Fayetteville	Washington
Harris, Joseph Sumpter	B. A.	Monticello	Drew
Harvey, Ben	B. S. C.	Douglas	Lincoln
Hathcoat, Marvin Arthur	B. A.	Bellefonte	Bocne
Holland, Wyatt Cleveland	B. A.	Greenwood	Sebastian
Hunt, Harry Gilham	B. A.	Walnut Ridge	Lawrence
Hurst, George Abner	B. A.	Fayetteville	Washington
Ingersoll, William Henry	B. A.	Eureka Springs	Carroll
Jacks, Maston Edwards	B. S.	Marianna	Lee
James, John John	B. A.	Maysville	Ind. Ter.
Johnston, James Henry	B. S. A.	Auvergne	Jackson
Mashturn Ernest Eugene	B. C. E.	Melbourne	Izard
McCrory, Grover Garland	B. C. E.	McCrory	Woodruff
Mitchell, Brainard, Jr.	B. M. E.	Fayetteville	Washington
Mullins, Thomas Clinton	B. C. E.	Fayetteville	Washington
Nordmeyer, Charles Dudley	B. S.	Fayetteville	Washington
Oates, Charles Everett	B. A.	Oppelo	Conway
Payne, Brodie	B. A.	Hot Springs	Garland
Pope, Arthur D.	B. A.	Taylor	Lafayette

Name	Course	Postoffice	County
Pratt, Darwin Hippolyte	B. S.	Fayetteville	Washington
Pruett, Grover Cleveland	B. C. E.	Denning	Franklin
Pruett, John Riley	B. C. E.	Denning	Franklin
Sadler, Daniel Kenard	B. A.	Booneville	Logan
Schimmelpfennig, Charles			
William	B. C. E.	Little Rock	Pulaski
Stanford, James Butt	B. S. C.	Fayetteville	Washington
Stockton, Irene Græme	B. A.	Little Rock	Pulaski
Stone, James Hicks	B. C. E.	Fayetteville	Washington
Taber, Harry Breck	B. A.	Little Rock	Pulaski
Van Valkenburgh, William			
Moore	B. E. E.	Warren	Bradley
Weber, Lewis William	B. A.	Hindsville	Madison
Wilson, Constant Perkins	B. S.	Fort Smith	Sebastian
Wilson, Eleanor Collins	B. A.	Fort Smith	Sebastian
Winters, Winston Lee	B. C. E.	Fort Smith	Sebastian

Sophomores.

Akin, John Walton	B. S.	Culeoka	Texas
Albright, Ella	L. I.	Barren Fork	Izard
Baker, Grover Cleveland	B. E. E.	Harrison	Boone
Balch, Coleridge Payne	B. A.	Holly Wood	Clark
Ballard, Jerrod	B. A.	Durham	Washington
Barrett, Reuben	B. S.	Jonesboro	Craighead
Beane, Ada Louise	B. A.	Rogers	Benton
Benson, Frederick Preston	B. E. E.	Camden	Ouachita
Blair, Daniel Baxter	B. C. E.	Decatur	Benton
Blair, Leila Jestine	L. I.	Van Buren	Crawford
Bolinger, Walter Allen	B. A.	Lead Hill	Boone
Bryant, William Cullen	B. S.	Nashville	Howard
Cantwell, Haiden Curd	B. E. E.	Milan	Tenn.
Carpenter, Samuel	B. C. E.	Arkadelphia	Clark
Carter, Hugh Reuben	B. C. E.	Fayetteville	Washington
Catts, Erwin Campbell	B. M. E.	Washington	Hempstead
Coker, Adam	B. C. E.	Lead Hill	Boone
Coker, Roy	B. C. E.	Lead Hill	Boone

Name	Course	Postoffice	County
Combs, Walter	B. C. E.	Mountain Home	Baxter
Cotham, Robert Bruce	B. A.	Monticello	Drew
Crozier, Ruth Margaret	B. A.	Fayetteville	Washington
Cubage, John Granville	B. A.	Amity	Clark
Dacus, Ira Lester	B. C. E.	Chickalah	Yell
Davies, Samuel Greene	B. C. E.	Fayetteville	Washington
Davis, Lyta	B. A.	Fayetteville	Washington
Deane, Sidney Edward	B. C. E.	Fayetteville	Washington
Dickson, Enos Howell	B. E. E.	Desha	Independence
Feathers, John Edward	B. C. E.	Fayetteville	Washington
Fergus, Francis Herbert	B. A.	Elm Springs	Washington
Harding, Vernon Alexander	B. E. E.	Fayetteville	Washington
Hillman, Charles Clark	B. A.	Almyra	Arkansas
Holt, James Seaborn	B. S.	Bellefonte	Boone
House, Joe Warren	B. A.	Little Rock	Pulaski
Hughes, Leslie Clare	B. Ch. E.	Fayetteville	Washington
Hutchinson, Frederick			
McAlpine	B. C. E.	Nashville	Howard
Hyatt, Robert Fie	B. A.	Monticello	Drew
Ingram, Cecil	B. C. E.	Lavaca	Sebastian
Johnson, Arthur Joseph	B. S.	Garnett	Lincoln
Jordan, Edna Garlington	B. A.	Blakemore	Lonoke
Jordan, Emmett	B. M. E.	Lockesburg	Sevier
Key, Kerr Cosby	L. I.	Fayetteville	Washington
McCulloch, Doddridge	B. A.	Marianna	Lee
McKay, Mary Elizabeth	B. A.	Fort Smith	Sebastian
Mitchell, John Lucien	B. C. E.	Fayetteville	Washington
Mitchell, Nolan Dickson	B. C. E.	Greenway	Clay
Moore, Henrietta	B. A.	Cincinnati	Washington
Murphy, John William	B. E. E.	Quanah	Texas
Myrick, Charles Early	B. A.	Trenton	Phillips
Orr, Milan Kenard	B. Mi. E.	Little Rock	Pulaski
Pearson, John Benjamin	B. C. E.	Poplar Grove	Phillips
Phillips, Roberta Grace	L. I.	Fayetteville	Washington
Pope, Jacob George	B. S.	Taylor	Lafayette
Pratt, Darwin Hippelyte	B. C. E.	Fayetteville	Washington

Name	Course	Postoffice	County
Reagan, Zenas Lytton	B. C. E.	Fayetteville	Washington
Reed, Kenneth Abram	B. E. E.	Gregory	Woodruff
Reinberger, Maurice Lee	B. A.	Pine Bluff	Jefferson
Rhea, William Harris	B. E. E.	Fayetteville	Warhington
Rhyne, James R.	B. C. E.	Ben Lomond	Sevier
Risser, Elizabeth Inez	B. A.	Fayetteville	Washington
Ross, James Harvey	B. M. E.	Fayetteville	Washington
Sadler, William Lloyd	B. C. E.	Little Rock	Pulaski
Shivel, Otto Lee	B. M. E.	Galena	Kan.
Shook, Sara	B. A.	Fayetteville	Washington
Shore, Rena Buchanan	B. A.	Fayetteville	Washington
Sivley, George Murphy	L. I.	Ellsworth	Logan
Smilie, Robert Percy	B. C. E.	Leslie	Searcy
Snell, Virgil Kleabor	B. C. E.	Gathers	Boone
Spradlin, Brutus Augustine	L. I.	Franklin	Izard
Stanley, Joseph Hopkins	B. A.	Augusta	Woodruff
Stelzner, William Boyd	B. E. E.	Anadarko	Okla.
Thomas, Benjamin Forrest	B. A.	Fayetteville	Washington
Thomas, Emilie Louise	B. A.	Clarendon	Monroe
Townsley, Freeland	B. S.	Little Rock	Pulaski
Tucker, Marshall Ernest	B. S.	Magazine	Boone
Tyson, William Claude	B. C. E.	Buena Vista	Ouachita
Umbaugh, Ollie	B. A.	Springdale	Washington
Watson, John Thomas	B. C. E.	Little Rock	Pulaski
Weld, Jean Grenade	B. A.	Marianna	Lee
Wilson, John Melvin	B. S.	Evening Shade	Sharp
Wood, Shirley	B. S. C.	Little Rock	Pulaski
Worthington, Hall Vincent	B. Ch. E.	Harrison	Boone
York, Joseph Othel	B. A.	Bellefonte	Boone

Freshmen.

Barrett, Lou Ella	B. A.	Jonesboro	Craighead
Barton, Maude Lee	L. I.	Cove	Polk
Beasley, William Howard	B. E. E.	Texarkana	Miller
Beckett, Clintis Murl	B. C. E.	Cowlington	Ind Ter.
Beckett, Franklin Lovell	B. C. E.	Cowlington	Ind. Ter.

Name	Course	Postoffice	County
Bird, Earl Valentine	B. A.	Springdale	Washington
Bixler, Pearl	L. I.	Eureka Springs	Carroll
Blakemore, Thomas Leslie	B. A.	Altus	<i>Okl.</i>
Boles, Edwin Clifford	B. M. E.	Fayetteville	Washington
Brough, Ruth	B. A.	Fayetteville	Washington
Brunson, Thomas Roswell	B. C. E.	Rock Creek	Pike
Bumpass, Edward Kenneth	B. E. E.	Fayetteville	Washington
Cabe, Robert Lewis	L. I.	Burks	Saline
Cazort, Thomas J.	B. S. A.	Lamar	Johnson
Childs, James La Fayette	B. A.	Warren	Bradley
Chunn, George Davies	B. S.	Holly Grove	Monroe
Cook, Ernest Fleet	B. A.	Texarkana	Miller
Cook, Flippin Martin	B. A.	Texarkana	Miller
Cook, Ira	B. M. E.	Fayetteville	Washington
Cowling, A. D.	B. A.	Cowlington	<i>Ind. Ter.</i>
Cross, Micajah C.	B. C. E.	Pine Bluff	Jefferson
Davis, Carl Gay	B. A.	Fayetteville	Washington
Davis, Lyna Hamilton	B. S.	Little Rock	Pulaski
Dent, Carlton Gale	B. E. E.	Annieville	Lawrence
DeWitt, Mills	B. A.	Peter Pindar	Franklin
Droke, Albert Hill	B. E. E.	Fayetteville	Washington
Dunn, Ralph Knox	B. A.	Fayetteville	Washington
Elder, Thomas Duane	B. S.	Jonesboro	Craighead
Elkins, Clara Maude	L. I.	Magazine	Logan
Elkins, Clyde Claude	B. S. A.	Magazine	Logan
Elkins, Everett Marvin	B. E. E.	Magazine	Logan
Ford, Bessie	L. I.	Lonoke	Lonoke
Ford, David Lane	B. A.	Webb City	Franklin
Fuhrman, William Samuel	B. E. E.	Fort Smith	Sebastian
Gean, Houston	C. E.	Sheridan	Grant
Gibson, Rupert Campbell	B. A.	Berryville	Carroll
Glassbrook, Edwin	B. M. E.	Millville	Ouachita
Glover, William Howarth	B. E. E.	Little Rock	Pulaski
Gordon, Luther, Jr.	B. A.	Morrilton	Conway
Grant, James Rhyne	L. I.	Dover	Pope

Name	Course	Postoffice	County
Greathouse, Ollie May	B. A.	Johnson	Washington
Greene, Henry Lambert	B. E. E.	Searcy	White
Hamilton, Paul Key	B. S.	Mena	Polk
Harmon, Lena E.	B. A.	Fayetteville	Washington
Haskell, Lucie	B. A.	Fayetteville	Washington
Hayes, Claude Henry	B. C. E.	Bald Knob	White
Hight, William Clarence	B. C. E.	Fayetteville	Washington
Holcomb, Joseph L.	B. E. E.	Springdale	Washington
Hopson, Edwin Eastman	B. A.	Mountain Home	Baxter
Houston, Leda	B. A.	Sulphur City	Washington
Huddleston, John Lane	Con		
	B. S.	Flippin	Marion
Hurt, Garland	B. S.	Newport	Jackson
Ingle, John C.	B. S. C.	Fort Smith	Sebastian
Jackson, James Albert	B. E. E.	Paragould	Greene
Jackson, Zeb Pettigrew	B. C. E.	Muscogee	Ind. Ter.
Jefferies, Alfred Jefferson	B. A.	Clarendon	Monroe
Jennings, Dennis Russell	B. M. E.	Beebe	White
Jett, William A., Jr.	B. S.	Little Rock	Pulaski
Johnson, David Eugene	B. A.	Paris	Logan
Johnson, Walter H.	B. M. E.	Little Rock	Pulaski
Jones, Arthur Melvin	B. S.	Poteau	Ind. Ter.
Keller, Irvin	B. S.	Hot Springs	Garland
Kimball, Fletcher	B. E. E.	Little Rock	Pulaski
King, Berry	B. S.	Harrison	Boone
Lamberton, Anna Louise	B. A.	Harrison	Boone
Langston, Oscar Daniel	B. A.	Warren	Bradley
Leche, Maude Mary	L. I.	Donaldsonville	La.
Lewis, Charles Hall	B. A.	Atkins	Pope
Little, Jesse Gray	B. M. E.	Lavaca	Sebastian
Locke, Jerry Matthew	B. C. E.	Muscogee	Ind. Ter.
Mahony, Joseph Kirby	B. A.	El Dorado	Union
Mauck, Ralph Willis	B. A.	Bentonville	Benton
May, Walter Reed	B. S.	Clarksville	Johnson
McAnally, Cora Leontine	L. I.	Elm Springs	Washington
McGraw, Grover D.	B. M. E.	Altus	Franklin
McKinlay, James Miller	B. C. E.	Garfield	Benton

Name	Course	Postoffice	County
McMillan, Fred Lee	B. E. E.	Fayetteville	Washington
Meek, Roy Settle	B. A.	Russellville	Pope
*Mellor, Jesse Lee	B. C. E.	El Dorado	Union
Miller, Myrtle Ellen	B. A.	Fayetteville	Washington
Miser, Hugh Dinsmore	B. A.	Pea Ridge	Benton
Miser, Wilson Lee	B. A.	Pea Ridge	Benton
Mitchell, Owen Cecil	B. Ch. E.	Fayetteville	Washington
Mock, Thomas Leroy Jefferson Davis Patton Cornelius	B. E. E.	Fayetteville	Washington
Moore, George Jacob	B. A.	Bentonville	Benton
Mooring, Jerry B.	B. S. A.	Cotton Plant	Woodruff
Morgan, Samuel Ross	B. S.	El Dorado	Union
Norman, Olivia	L. I.	Fayetteville	Washington
Oates, John Fount	L. I.	Martinville	Conway
Parish, Hugh Smith	B. S.	Newport	Jackson
Petit, James Lemuel	B. A.	Poteau	Ind. Ter.
Pritchard, Virgil F.	B. E. E.	Springdale	Washington
Pritchett, Frank A.	B. C. E.	Batesville	Independence
Pritchett, Robert Hugh	B. E. E.	Batesville	Independence
Pye, George Ploughman	B. A.	Sweet Home	Pulaski
Read, Alicia Johnston	B. A.	Fayetteville	Washington
Reynolds, Eddie Almon	B. A.	Branch	Franklin
Russell, Arry Lee	B. C. E.	Texarkana	Miller
Sanders, George Ezekiel	B. A.	Lonoke	Lonoke
Sanders, Lucy Edna	B. A.	Fayetteville	Washington
Semmes, Joseph Murray	B. C. E.	Osceola	Mississippi
Senyard, Fay	B. A.	Pine Bluff	Jefferson
Shepherd, Claude Harold	B. E. E.	Texarkana	Miller
Sherrod, William Vernon	B. E. E.	Goshen	Washington
Smith, Edward	B. E. E.	Cotton Plant	Woodruff
Smith, Eugene	B. E. E.	Rogers	Benton
Stacy, Hal	B. C. E.	Vannsdale	Cross
Starbuck, Arwood	B. E. E.	Rocky Comfort	Little River
Stevens, William Roy	B. A.	Texarkana	Miller

*Deceased.

Name	Course	Postoffice	County
Stokes, Walter Richard B.	C. E.	Bentonville	Benton
Sutton, Edith	B. A.	Fayetteville	Washington
Thompson, Mack Franklin	B. C. E.	Warren	Bradley
Thompson, William Elmo	B. C. E.	Warren	Bradley
Tillman, Fred Allen	B. A.	Fayetteville	Washington
Trent, Bessie	B. A.	Fayetteville	Washington
Tucker, Justin Randolph	B. S. A.	Magazine	Logan
Vaulx, Gordon Welch	B. C. E.	Fayetteville	Washington
Walls, Charles Albert	B. A.	Lonoke	Lonoke
Wear, Robert Lavater	B. A.	Mena	Polk
Welborn, Marshall Brown	B. E. E.	Howe	Ind. Ter.
Westbrook, Howell Lane	B. E. E.	Pine Bluff	Jefferson
Whittmore, Willie Leora	B. A.	Fayetteville	Washington
Wiggins, Joseph Cleveland	B. C. E.	Cecil	Franklin
Williams, Clara Elizabeth	L. I.	Eureka Springs	Carroll
Williams, Oscar Eugene	B. A.	McKinney	Texas
Witherspoon, Charles Cleborn	B. C. E.	Lonoke	Lonoke
Woodruff, Clarence Herbert	B. A.	Rhea	Washington
Woodson, Edward Francis	B. C. E.	Chant	Ind. Ter.
Yancey, Dunnington Archilus	B. A.	Batesville	Independence
Yarbrough, Charles S.	B. E. E.	Camden	Ouachita
Yowell, James	B. S. A.	Gallatin	Tenn.

Special.

Name	Postoffice	County
Barry, Lucile Lelia	Fayetteville	Washington
Berry, Fred Hugh	Bentonville	Benton
Block, David	Vanndale	Cross
Bohart, Allen G. Thurman	Fayetteville	Washington
Brownfield, Mattie	Fayetteville	Washington

Name	Postoffice	County
Burrow, Claude McKinney	Little Rock	Pulaski
Crawford, Ell	Prairie Grove	Washington
Davis, Mabel Effie	Jasper	Newton
Deloney, Ernest	Hope	Hempstead
Dickinson, Clemont	Horatio	Sevier
Dinsmore, Hamilton Atwood	Fayetteville	Washington
Droke, Mary Inez	Fayetteville	Washington
Eason, Alcuin Pitt	Fayetteville	Washington
Gray, Stella Harriet	Hickory Valley	Independence
Gregg, Alfred Welch	Fayetteville	Washington
Harvey, Annette	Vinda	Benton
Hudgins, Bessie M.	Fayetteville	Washington
Johnson, Maybelle Clare	Fayetteville	Washington
Lackey, Minnie	Fayetteville	Washington
Lefler, George Filmore	Scotland	Van Buren
McCartney, Jessie Lauve	Fayetteville	Washington
McGregor, Joseph D.	Cotton Plant	Woodruff
McKean, David Felix	De Queen	Sevier
Melton, Clyde Lee	Fayetteville	Washington
Mitchell, Sibyl Audrey	Fayetteville	Washington
Moore, Jesse Warren	Arkadelphia	Clark
Newsom, Eugene	Paragould	Greene
Parker, Arthur Clarence	Paris	Logan
Rector, William Hervey	Gillham	Sevier
Revel, John William	Augusta	Woodruff
Robbins, James Carthel	Searcy	White
Ross, Jewell	Fayetteville	Washington
Seamans, Pinkney Samuel	Dermott	Chicot
Tidball, Nellie	Baldwin	Washington
Tillman, John Walker	Fayetteville	Washington
Torrans, Paul Ward	Texarkana	Miller
Trigg, Thomas Edward	Texarkana	Miller
Vinson, William Beauchamp	Springdale	Washington
Watson, Edmond Penn, Jr.	Bentonville	Benton
Wilson, John Thaddeus	Sheridan	Grant

Short Course in Engineering.

SECOND YEAR STUDENTS.

Belknap, Joel Rousseau	Sulphur Springs	Benton
Boazman, Alexander Walthall	Lamar	Johnson

Name	Postoffice	County
Bryant, Roy Black	Augusta	Woodruff
Burton, Morton	Judsonia	White
Byrne, Lloyd R.	Luna	Chicot
Cox, Howell H.	Lamar	Johnson
Henderson, Jai Ruffin	Hot Springs	Garland
Hurst, John H	Clarendon	Monroe
Larrabee, Ray Ashley	Fayetteville	Washington
Martin, Samuel Frank	Fayetteville	Washington
McCloud, Benjamin Joel	Winslow	Washington
McCloud, William Daniel	Winslow	Washington
McDermott, Ben	Dermott	Chicot
Portnell, J. R.	Fayetteville	Washington
Schicker, Edward Barnes	Camden	Ouachita

FIRST YEAR STUDENTS.

Bishop, James Maloy	Fayetteville	Washington
Chandler, James E.	Fayetteville	Washington
Cotham, Fay Edward	Monticello	Drew
Goodrum, Overton Toton	Lonoke	Lonoke
Grundy, Edmund James	Mammoth Spring	Fulton
Hicks, Olin E.	Lonoke	Lonoke
Hooper, Edward Kenneth	Fayetteville	Washington
Jones, Ralph Richard	Fayetteville	Washington
McLeod, Angus A.	Fort Smith	Sebastian
Norman, Felix Augustus	Fayetteville	Washington
Portis, Frank G.	Fayetteville	Washington
Sedwick, James E.	Fayetteville	Washington
Sowell, Marion Dick	Durant	<i>Ind. Ter.</i>
Williams, Roy Welch	Fayetteville	Washington
Wilson, Frank	Fayetteville	Washington
Wunnenburg, Edgar C.	Cotton Plant	Woodruff

THE CONSERVATORY OF MUSIC AND ART.

NOTE.—The following list contains the names of those students only whose major subject is taught in the Conservatory of Music and Art.

Bryan, Zella	Fayetteville	Washington
Davis, Barbara Claire	Fayetteville	Washington

Name	Postoffice	County
Ellis, Dora	Fayetteville	Washington
Gallaway, Margaret B.	Fayetteville	Washington
Hooper, Lillian Gertrude	Fayetteville	Washington
Johnson, Lucy Edith	Harrison	Boone
Jones, Bertha Edyth	Yellville	Marion
Jones, Maud	Fayetteville	Washington
Keeney, Augusta Rothwell	Fayetteville	Washington
Manning, Irene	Clarendon	Monroe
McMillar, Della Madeline	Fayetteville	Washington
Neeley, Marie Helen	Fayetteville	Washington
Reynolds, Ruth Harwood	Fayetteville	Washington
Short, Belle	Fayetteville	Washington
Smith, Jessie	Fayetteville	Washington
Thomas, Pauline Etheland	Fayetteville	Washington
Thurston, Monte	Rector	Clay
Trimble, Mattie Eleanor	Lonoke	Lonoke
Van Valkenburgh, Carrie Emma Warren		Bradley

THE PREPARATORY SCHOOL.

Abbreviations.—A., Arts course, leading to B. A. course; S., Science course, leading to B. S. course; E., Engineering course, leading to Mechanical, Civil, and Electrical Engineering courses; T., Teacher's course; Sp., Special course; C., Course in Conservatory of Music and Arts; Agr., Agriculture course.

SECOND YEAR CLASS.

Name	Course	Postoffice	County
Abercrombie, Clara Dell	S	Pactolus	Benton
Abercrombie, Earl	E	Pactolus	Benton
Allen, Estes	A	England	Lonoke
Allen, J. Cleveland	A	Statfield	Polk
*Baker, Elbert Marvin	A	Marshall	Searcy
Baker, Frank G.	E	Fayetteville	Washington
Baker, Myrle	T	Fayetteville	Washington
Ballard, Lydia	A	Durham	Washington
Ballard, R. Carroll	S	Tillar	Drew
Barton, Dooley Edgar	A	Cove	Polk
Baum, Elias Julius	E	Fayetteville	Washington
Belknap, Beatrice Victoria	C	Sulphur Springs	Benton
Bell, James W.	E	Fayetteville	Washington
Bennett, Ora Lizzie	A	Springdale	Washington
Bernard, Joe	S	Russellville	Pope

Name	Course	Postoffice	County
Bettis, Austin Boyce	A	Chapel Hill	Sevier
Blackshire, Robert Ira	E	Crockett	Clay
Blackwood, James Quincy	S	Newport	Jackson
Blasingame, Virgie Ethel	T	Coin	Carroll
Boggs, James Franklin	T	Rose Bud	White
Bowen, Arthur Wilks	A	Osceola	Mississippi
Brown, Elizabeth Ellen	C	Fayetteville	Washington
Bryan, George A.	E	Bentonville	Benton
Buck, William Robert Wash- ington	A	Cave City	Sharp
Byrnes, Birnie	E	Fayetteville	Washington
Campbell, Madge	A	Fayetteville	Washington
Campbell, William Gordon	E	Fayetteville	Washington
Carden, Claude	S	Ink	Polk
*Carothers, Wallace Montgomery	E	Fayetteville	Washington
Carter, Nama	A	Durham	Washington
Carter, Noah Delford	A	Durham	Washington
Catching, George J.	A	Brister	Columbia
Chapman, George Arnold	E	Fayetteville	Washington
Chew, Thomas C.	A	El Dorado	Union
Cole, Kenneth Elmore	A	Gwynn	Sebastian
Comstock, Gratis M.	E	Uniontown	Crawford
Cook, Lela	S	Fayetteville	Washington
Cook, R. Wallace	E	Fayetteville	Washington
Cooper, Fred W.	E	Brinkley	Monroe
Craig, Pearl Vincent	A	Westville	Ind. Ter.
Culwell, James William	E	Goshen	Washington
Davis, Arthur Charles	E	Fayetteville	Washington
Davis, Okey Lee	E	St. James	Stone
Davis, Ora	T	Jasper	Newton
Davis, Thomas Wils	Sp	Blytheville	Mississippi
Davis, Wallace Carter	S	Little Rock	Pulaski
Dean, Herman Wakeman	E	Camden	Ouachita
Deaver, James Franklin	E	Springdale	Washington
Dowell, Grace	A	Vale	Washington
Eason, Herman Edward	E	Fayetteville	Washington
Eld, Lucy Lillian	T	Bentonville	Benton
Ellis, Forrest	A	Fayetteville	Washington

Name	Course	Postoffice	County
Ellis, Oscar Ferguson	E	Fayetteville	Washington
Fergus, Carrie Sadie	A	Elm Springs	Benton
Fesperman, William Jerome			
	Agr	Cotton Plant	Woodruff
Ford, Reth	S	Washburn	Sebastian
Futrall, Edward Becket	A	Marianna	Lee
Gray, Albert	A	Hickory Valley	Independ'ce
Grayson, Harry C.	E	Paragould	Greene
Grundy, Archibald Marshall	A	Fayetteville	Washington
Guinn, Hattie Pearl	T	Winslow	Washington
Hall, Hubert Cleveland	S	Canton	Sharp
Hamblen, William Thomas	S	Farmington	Washington
Hamilton, William Malcolm	A	Falcon	Nevada
Hardin, Jodie W.	A	Casa	Perry
Harmon, Eva	A	Fayetteville	Washington
Harper, Franklin Marion	S	El Dorado	Union
Holcomb, William Henry	E	Springdale	Washington
Holtzclaw, Hanan H.	S	Vineyard	Lee
Huggins, James Edgar	S	Ozark	Franklin
Hughes, John Jackson, Jr.	E	Haynes	Lee
Hutton, Marion Cleveland	A	Little Rock	Pulaski
Huxtable, William G.	A	Vincent	Crittenden
James, Clifton Richard	A	Newport	Jackson
James, Rex Esmerald	E	Fayetteville	Washington
Janes, Jessie I.	A	Dover	Pope
Jordan, Flossie I.	A	Blakemore	Lonoke
Jordan, James Keys	A	Blakemore	Lonoke
Keath, Everett Watterson	E	Cotton Plant	Woodruff
Keeney, Marie	A	Fayetteville	Washington
Keith, Ernest Thomas	A	Sharman	Columbia
Kennedy, Lillian R.	A	Howe	Howard
Kitchens, George Thomas	A	Waldo	Columbia
Kolb, William Burge	A	Ola	Yell
Koser, William Aubry	E	Marion	Crittenden
Lantrip, Lynn Winston	E	Fayetteville	Washington
Leeper, Fred	A	Holcomb	Sevier
Leister, Leroy Bismarck	A	Ellsworth	Logan
Leming, Mason Benjamin	S	Waldron	Scott
Lester, Mae	T	Fayetteville	Washington

Name	Course	Postoffice	County
Leverett, Blanche	A	Fayetteville	Washington
Leverett, Charles Deane	E	Fayetteville	Washington
Leverett, Whitham	S	Fayetteville	Washington
Lindly, John Moseley	E	South McAlester	Ind. Ter.
Lindsey, Elmer Marvin	E	Mangum	Okla.
Lueker, Charles G.	A	Famous	Pope
Manning, Gladys	A	Clarendon	Monroe
Masters, Effie	A	Durham	Washington
Mayes, John Edwin	E	Indian Bay	Monroe
Mayo, Walter Pointer	E	Indian Bay	Monroe
McAllister, Alonzo D.	S	Nelson	Mo.
McAllister, Madge	S	Nelson	Mo.
McCoy, Carlos	E	Fayetteville	Washington
McCoy, Myrtle	S	Fayetteville	Washington
McCray, Rose	T	Little Rock	Pulaski
McDonald, Jesse Connor	S	Augusta	Woodruff
McDonald, Joel W.	Sp	Sheridan	Grant
McKinlay, Peter Gillespie	A	Garfield	Benton
McKnight, David Arthur	S	Bee Branch	Van Buren
McNiel, Ralph Alonzo	E	Rector	Clay
McWilliams, Jesse Hubert	S	El Dorado	Union
Means, Charles Stanhope	A	Charleston	Franklin
Mitchell, Ara Evelyn	A	Fayetteville	Washington
Moore, Myrtle Bella	Sp	Cincinnati	Washington
Morton, Julia	A	Fayetteville	Washington
Murphy, Wallace Carl	A	Fort Smith	Sebastian
Myers, Grover	E	Piggott	Clay
Nance, Denver	A	Hindsville	Madison
Neelly, Lila Irma	A	Fayetteville	Washington
Nelson, John William	A	Buford	Baxter
Nesbit, William Edward	A	Fayetteville	Washington
Newman, Iva M.	S	Marion	Crittenden
Oliver, John A.	Sp	Clifty	Madison
Oliver, Lelia Ruth	C	Fayetteville	Washington
Olmstead, Cloyd Everett	E	Heber	Cleburne
Pearson, Herbert Sylvester	Sp	Rhea	Washington
Pearson, Thomas Milton	A	Rhea	Washington
Peck, Dora	A	Fayetteville	Washington
Phillips, Charles Rice	E	Goshen	Washington

Name	Course	Postoffice	County
Read, Laura	C	Fayetteville	Washington
Reed, Kate	A	Springdale	Washington
Reed, Maggie	A	Johnson	Washington
Reed, Pearl M.	A	Dutch Mills	Washington
Reed, William Howard	A	Heber	Cleburne
Reves, Charles Sumner	A	Alma	Crawford
Reves, George William	A	Alma	Crawford
Ross, Samuel	E	Fayetteville	Washington
Ross, William Browning	A	Okalona	Clark
Samuels, John Charles	T	McKinney	Texas
Sandlin, Roddy Forrest	A	Ola	Yell
Scott, Andrew Lee	A	Stattler	Crawford
Shannon, Mary Etoile	A	Fayetteville	Washington
Shook, Charles Harmon	E	Fayetteville	Washington
Smith, Anthony E.	E	Benton	Saline
Smith, Howell Rush	S	Malvern	Hot Spring
Stevens, Otis	A	Forrest City	St. Francis
Stover, Luther M.	A	Casa	Perry
Strong, John Chalmers	A	Brinkley	Monroe
Sutton, Beulah	A	Fayetteville	Washington
Sweany, Harry Judson	E	Bentonville	Benton
Terry, Francis Augustus	A	Little Rock	Pulaski
Tharp, Mattie Irene	A	Fayetteville	Washington
Thomas, Lydia C.	A	Lockesburg	Sevier
Thompson, Oley D.	S	Stattler	Crawford
Thompson, Ross Emile	E	Heber	Cleburne
Wasson, Proctor L.	E	Smithville	Lawrence
Waterfield, Elgin A.	A	Holdenville	Ind. Ter.
Webb, Joseph Watson	A	Springfield	Conway
Wells, Eustace Earle	S	Monticello	Drew
White, Felix Slown	E	Fayetteville	Washington
White, Pearl	S	Fayetteville	Washington
Whiting, Grace Marion	A	De Soto	Mo.
Williams, George A.	E	Hot Springs	Garland
Williams, Hosea Lafayette	E	Fayetteville	Washington
Williams, Walter Quincy	E	Brentwood	Washington
Wilson, Nelle D.	A	Fayetteville	Washington
Wish, John Clarence	S	Pleasant Plains	Independ'ce

Name	Course	Postoffice	County
Wolf, Arthur C.	T	McPherson	Baxter
Woodruff, Ethel Sophia	A	Rhea	Washington
Woods, John Powell	A	Yelleville	Marion
Young, Nancy Ovid	A	Booneville	Logan

FIRST YEAR CLASS.

Alexander, Mary Ella	T	Savoy	Washington
Alston, Roy	A	Chapel Hill	Sevier
Anderson, Mary Harkell	C	Fayetteville	Washington
Andrix, Annie	S	Bentonville	Benton
Babb, Walter Preston	A	Waldo	Columbia
Baker, Hugh D.	E	Harrison	Boone
Bell, Carl K.	E	Fayetteville	Washington
Bernard, Harry	S	Russellville	Pope
Black, Kate Elizabeth	S	Fayetteville	Washington
Black, Robert Lee	A	Fayetteville	Washington
Blackford, Oscar Cleveland	A	Sedgwick	Lawrence
Block, Samuel Maurice	A	Vanndale	Cross
Boles, Chalmers Barnett	E	Fayetteville	Washington
Booth, Dunlap	E	Spiro	Ind. Ter.
Bost, Edna Earle	T	Howland	Texas
Bowers, Ezra J.	E	Paris	Logan
Bracken, John Clinton	T	Charleston	Franklin
Brashears, Grover	A	St. Paul	Madison
Brown, Ethel	Sp	Fayetteville	Washington
Brown, Robert Vernon	E	Fayetteville	Washington
Brownson, Sarah E.	S	Elkins	Washington
Bruce, Maud	S	Durham	Washington
Buckelew, Ira L.	T	Slocum	Saline
Burkett, James Ralph	E	Summers	Washington
Campbell, Sylvester John	A	Fayetteville	Washington
Cannon, Roy	E	Fayetteville	Washington
Carr, Bessie	T	Prairie Grove	Washington
Carr, Perry Fielding	Sp	Prairie Grove	Washington
Carter, Bessie	A	Fayetteville	Washington
Cecil, Bessie E.	S	Vandervoort	Polk
Cecil, Emma	C	Vandervoort	Polk
Cecil, Ode W.	S	Vandervoort	Polk
Chapman, Mabel Edna	A	Fayetteville	Washington

Name	Course	Postoffice	County
Conner, Verna	A	Fayetteville	Washington
Cook, Gilbert Richard	A	Texarkana	Miller
Cook, James Frank	Agr	Fayetteville	Washington
Cook, Stuart Monroe	S	Fayetteville	Washington
Copeland, Euge	S	Piggott	Clay
Couch, William Edward	E	Baldwin	Washington
Cowling, Ora M.	A	Cowlington	Ind. Ter
Cox, Mary James Turner	A	Fayetteville	Washington
Cox, Nellie	C	Fayetteville	Washington
Crawford, Henry Vance	A	Little Rock	Pulaski
Crenshaw, Clayton Lee	E	Gwynn	Sebastian
Dale, Harrison Penn	E	Augusta	Woodruff
Davis, Henry Albert	A	St. James	Stone
Davis, Mabel Eloise	A	Fayetteville	Washington
Deane, Charles Vault	E	Fayetteville	Washington
Deane, Madeline Anderson	A	Fayetteville	Washington
Dent, Strother Major	E	Riverside	Woodruff
Dowell, Robbie	A	Fayetteville	Washington
Drohan, Ruby Genevieve	A	Fayetteville	Washington
Dyer, Jennie Rebecca	A	Yelleville	Marion
Edwards, Belle	A	Fayetteville	Washington
Edwards, John Richard Nelson	A	Evening Shade	Sharp
Elliott, De Floyd	A	Jonesboro	Craighead
Ellison, William Lee	E	Cane Hill	Washington
Etter, Jessie Fay	A	Chetopa	Kan.
Eudaly, Oscar	A	Powhattan	Lawrence
Fenton, James Andrew	A	Chapel Hill	Sevier
Fesperman, John Frank	E	Cotton Plant	Woodruff
Findley, W. Oscar	A	Jonesboro	Craighead
Finley, Walter	E	Lincoln	Washington
Fletcher, Benjamin Franklin	E	Baldwin	Washington
Folks, Andrew Jackson	T	Mountain View	Stone
Fraser, Robert Lee	T	Union Hill	Independence
Freeman, James W.	E	Hot Springs	Garland
Fuller, Le Roy	E	Little Rock	Pulaski
Gilbreath, Marie Lucile	C	Fayetteville	Washington
Gray, Clara Ella	A	Hickory Valley	Independence
Gray, John Harvey, Jr.	T	Bellmore	Stone

Name	Course	Postoffice	County
Green, Thomas Andrew	A	Mineral Springs	Howard
Gregg, Annie Josephine	A	Fayetteville	Washington
Gregg, Lafayette Ham	E	Fayetteville	Washington
Grubbs, William Wiley	A	Addy	Drew
Gwynn, James Anderson	E	Gwynn	Sebastian
Haley, Fanny Ruth	A	City View	Texas
Haley, Mary Iva	A	City View	Texas
Hall, Julien	A	Fayetteville	Washington
Hall, Millard Zachary	A	Mulberry	Franklin
Hall, Samuel Laban	E	Turner	Phillips
Hallman, Kelley Edgar	A	Ben Lomond	Sevier
Harris, Milton Elkanah	T	Farmington	Washington
Haskell, Frances	C	Muscogee	Ind. Ter.
Hayley, Grover	S	Mooreville	Prairie
Henbest, Margaret Deane	A	Fayetteville	Washington
Hodge, Zaidee	C	Conway	Faulkner
Hooper, Lamar Cyril	A	Fayetteville	Washington
Huffman, Annie Virginia	C	Bentonville	Benton
Hughes, Thomas Lafayette	E	Mount Pisgah	White
Hughes, Verda	C	Fayetteville	Washington
Hunter, James Marshall	S	Halliday	Greene
Huntley, Philip	E	Kirkland	Ouachita
Hurst, Anna Abanatha	A	Fayetteville	Washington
Isom, John Atlee	T	Iris	Craighead
James, Elsie Adelaide	T	Mount Pleasant	Mich.
Jarman Sammie Gertrude	A	Fayetteville	Washington
Jarrell, Foster	A	Junction City	Union
Jeffery, Irene Randolph	T	Mount Olive	Stone
Johnson, Bert Lee	E	Fayetteville	Washington
Johnson, Clyde	S	Fayetteville	Washington
Johnson, Silvey Jay	S	Auvergne	Jackson
Kantz, Nellie Welch	A	Fayetteville	Washington
Keeney, James	A	Fayetteville	Washington
Keys, Campbell Taylor	E	Coffeyville	Kan.
King, Fred	S	Van Buren	Crawford
Kitchens, Herschell M.	A	Waldo	Columbia
Knight, Ellen	A	Fordyce	Dallas
Kunz, Clifford Harrison	E	Fayetteville	Washington
Kunz, Gladys	A	Fayetteville	Washington

Name	Course	Postoffice	County
Lanphere, Frances Matilda	Sp	Kansas City	Mo.
Lark, Hattie May	A	Lancaster	Crawford
Leister, Arthur Herbert	A	Ellsworth	Logan
Leverett, Ena	A	Fayetteville	Washington
Lewis, Clifford Adair	S	Prairie Grove	Washington
Lewis, Herschell V.	S	Shady Point	Ind. Ter.
Lewis, John Aden	T	Lewisville	Lafayette
Lindly, Charles Matlock	A	South McAlester	Ind. Ter.
Lindsey, Eralso B.	A	De Queen	Sevier
Liner, Henry Harvey	S	Hatfield	Polk
Little, Rena	A	Lavaca	Sebastian
Little, Willis	T	Dayton	Sebastian
Locke, Dale George	A	De Queen	Sevier
Looney, William Baxter	T	Six Mile	Franklin
Lueker, Traugott Friedrich	A	Famous	Pope
Magness, William Auby	S	Gwynn	Sebastian
Maguire, Audie	S	Fayetteville	Washington
Maguire, Nellie	A	Fayetteville	Washington
May, Gladys Virginia	A	Basalt	Col.
May, Raymond Claire	A	Clarksville	Johnson
Mayes, Ethel Esther	A	Goshen	Washington
McCartney, Mary Isabell	A	Fayetteville	Washington
McCarty, Ralph L.	E	Fayetteville	Washington
McClendon, Leigh	A	Lewisville	Lafayette
McCoy, Helen	A	Fayetteville	Washington
McGregor, Josie Ernestine	A	Powell	Marion
McMillan, Eula	C	Fayetteville	Washington
McQuiston, Helen	T	Clifty	Madison
Milford, Clinton George	E	Ben Lomond	Sevier
Milligan, Ruby	T	Layetteville	Washington
Mitchell, Allie May	S	Fayetteville	Washington
Montcalm, Surrius Rector	E	Earle	Crittenden
Moon, Van Tyson	E	Kirkland	Ouachita
Moore, Erin V.	A	Cincinnati	Washington
Moore, John Wilburn Ross	A	Wilcockson	Newton
Moore, Katharine	A	Fayetteville	Washington
Moore, Marguerite Mabel	C	Fayetteville	Washington
Moore, Nita	A	Fayetteville	Washington
Morton, James Herbert	E	Fayetteville	Washington

Name	Course	Postoffice	County
Morton, Pauline	A	Fayetteville	Washington
Munn, William Henry	A	Bodcaw	Nevada
Murphy, Jefferson Davis	A	Junction City	Union
Myatt, Francis Lamar	E	Kirkland	Ouachita
Neeley, Samuel	E	Hindsville	Madison
Nelson, Hope	Sp	Redfield	Iowa
Nesbit, Zoie Pauline	A	Fayetteville	Washington
Nicks, Hubert Archie	A	Pocahontas	Randolph
Nicks, Ruth	A	Pocahontas	Randolph
Oates, Max Bruce	Agr	Pottsville	Pope
Oates, Samuel Clarence	T	Oppello	Conway
Oliver, Nora Catherine	T	Clifty	Madison
Orr, Grover Cleveland	E	Mount Moriah	Nevada
Patterson, Armon Washington	A	Hillsboro	Union
Peak, Robert Frank	S	Grand Lake	Chicot
Peer, Clyde A.	E	Mansfield	Sebastian
Pool, William Walter	Agr	Thompson	Washington
Porter, Henry Otis	Agr	Fayetteville	Washington
Portis, Beulah	S	Tomberlins	Lonoke
Pratt, Gladstone Camden	E	Fayetteville	Washington
Reed, John Alvis	A	Fayetteville	Washington
Reeves, Joseph Arch	Sp	Mena	Polk
Reynolds, Cadmus Price	E	Atkins	Pope
Reynolds, Roy Randolph	E	Henrietta	Ind. Ter.
Rhea, Powell McClellan	E	Fayetteville	Washington
Rhea, William Edward	E	Fayetteville	Washington
Robbins, Cener	T	Fayetteville	Washington
Roberts, Delparde Washington	T	Brazils	Saline
Roberts, W. Edgar	E	Baldwin	Washington
Rodgers, Horace Edwin	E	Fayetteville	Washington
Ross, Frank	Agr	Fayetteville	Washington
Sanders, Albert M.	Agr	Fayetteville	Washington
Sanders, Allen Irene	A	Fayetteville	Washington
Sedwick, Bessie	A	Fayetteville	Washington
Shannon, Charles Grady	A	Fayetteville	Washington
Shaver, Bishop Earl	A	Charleston	Franklin
Shaver, Ollie Winfield	A	Vanndale	Cross

Name	Course	Postoffice	County
Shelton, Agnes Deane	A	Fayetteville	Washington
Shelton, Walter Clyde	E	Grays	Woodruff
Sherrod, Mamie	A	Goshen	Washington
Simmons, Claudine	A	Fayetteville	Washington
Simmons, Eloys	A	Fayetteville	Washington
Sloan, Bessie Edna	S	Fayetteville	Washington
Slocum, Allen Leslie	E	Elk City	Kan.
Smith, Clara May	C	Bentonville	Benton
Snell, Merrill Fouster	A	Gaither	Boone
Sowell, Ernest Henry	A	Little Rock	Pulaski
Spear, Bertha	T	Dora	Crawford
Stearnes, Nellie May	A	Fayetteville	Washington
Stephens, Frank	E	Fayetteville	Washington
Stephenson, John Calvin	A	De Queen	Sevier
Stone, William Dudley	E	Fayetteville	Washington
Summers, Irene Louise	C	Fayetteville	Washington
Taylor, Grace	C	Fayetteville	Washington
Taylor, Ralph Lewis	E	Fayetteville	Washington
Terry, Ernest Benjamin	S	Forrest City	St. Francis
Thomas, William Ferd	A	Piggott	Clay
Thompson, Augustian			
Nathaniel	A	Spiro	Ind. Ter.
Thurman, Andrew	E	Fayetteville	Washington
Tolley, John Hiram	E	Eureka Springs	Carroll
Tucker, Moseley Clarence	A	Magazine	Boone
Vaughan, Hanibal	T	Moreland	Pope
Vestal, Mamie Letitia	A	Stattler	Crawford
Vines, Crawford Lurkin	A	Hillsboro	Union
Wade, George B.	E	Fayetteville	Washington
Warnock, Leslie	E	Elliott	Ouachita
Webb, Ulys	E	Manitow	Okla.
West, Samuel Earl	A	Lavaca	Sebastian
Wilkinson, James Edward	E	Charleston	Franklin
Williams, Clifton M.	E	Fayetteville	Washington
Williams, Louise Addie	C	Fayetteville	Washington
Willis, John Edmond	S	Little Rock	Pulaski
Wilson, Lena Grace	S	Fayetteville	Washington
Womble, Vivian	E	Farmersville	Texas
Wood, Lester	E	Fayetteville	Washington

Name	Course	Postoffice	County
Wood, Ina Ruth	A	Fayetteville	Washington
Woodfin, Roy	A	Brinkley	Monroe
Woodson, Robert Everett	T	Mount Pisgah	White
Woosley, Hattie	A	Fayetteville	Washington
Yancey, John Crockett	Agr	Batesville	Independence
Yates, William N.	E	Fayetteville	Washington
Zufall, Lula Maud	T	Van Buren	Crawford

UNCLASSIFIED.

Bryan, Lyle	Fayetteville	Washington
Fantina, Bertha	Batesville	Independence
Hickman, Chester	Cartersville	<i>Ind. Ter.</i>
Lowdermilk, William Brewer	Clinton	Van Buren
Nettleship, Frank	Fayetteville	Washington
Orrell, Jefferson	Morrilton	Conway
Sanders, Bruce	Centralia	<i>Ind. Ter.</i>

UNIVERSITY OF ARKANSAS MEDICAL SCHOOL.

Matriculates, 1904-1905.

Abbott, C. C.	Hammett, O. N.	Muse, J. M.
Acree, W. E.	Hardin, Miss Nina V.	Nelson, F. L.
Adams, T. L.	Hardy, H. B.	Noughn, Robert
Alford, T. F.	Hardy, J. T.	Nowlin, Walter
Allen, Charles	Hare, R. P.	Oates, L. T.
Allen, R. L.	Harkins, R. A.	Oberholtzer, Miss Ollie
Atkins, W. T.	Harris, C. L.	Oliver, R. B.
Baines, Swartz	Harris, M. L.	Pate, L. H.
Bearden, Fred	Harris, R. L.	Pearson, W. H. M.
Bell, Minto	Hartsell, R. L.	Pittman, W. G.
Berry, F. O.	Harvey, G. A.	Powell, J. W.
Berryman, L. D.	Hathaway, A. H.	Powell, P. R.
Bevill, S. D.	Hathaway, W. G.	Pratt, J. B.
Billington, J. E.	Hays, J. F.	Purtell, M. B.
Black, W. H.	Hearn, J. W.	Quidor, J. E.
Blakely, G. W.	Herron, W. F.	Ray, J. A.
Blakely, M. M.	Hodges, E. E.	Reagan, L. D.
Bogart, H. D.	Hofman, John	Redden, Elmer
Bohannon, J. H.	Holiman, J. E. T.	Rizer, T. C.
Bollinger, W. H.	Hooper, Z. A.	Roberts, J. L.
Branscum, Sherman	Horton, Neal	Roberston, A. B.

Brewer, T. E.	Hughes, F. A.	Robinson, G. M.
Brumbelow, A. D.	Huie, Henry	Rogers, W. S.
Buchanan, A. S.	Hutto, T. B.	Rollans, H. G.
Burge, J. W.	Iles, J. T.	Rose, F. C.
Burnett, Ernest	Ingram, E. M.	Ross, T. A.
Burnett, M. C.	Irby, W. D.	Routh, C. M.
Burris, C. L.	Jeffrey, P. H.	Rushing, F. E.
Bush, J. W.	Jewell, I. H.	Sadler, W. L.
Butler, V. V.	Johnson, N. J.	Scott, Early
Calaway, W. L.	Johnson, S. C.	Scott, L. L.
Campbell, Bynam	Johnston, O. J. T.	Shamblin, D. W.
Cantrell, J. M.	Judd, O. K.	Shaw, J. B.
Carter, G. W.	Junkin, S. P.	Shinn, T. J.
Casada, B. F.	Keeter, P. H.	Shy, D. E.
Cason, J. R.	Kelleam, E. A.	Sickler, L. U.
Cates, T. H.	Kelley, B. F.	Simmons, J. A.
Clark, F. M.	Kelley, J. H.	Simms, A. J.
Clark, Guy	Kelly, M. B.	Smith, H. H.
Coffee, O. F.	Kessinger, J. S.	Smith, S. E.
Coffman, J. S.	King, Edgar	Sneed, R. H.
Colay, J. H.	King, H. C.	Spillers, H. F.
Cole, Arch	King, K. W.	Staton, J. W.
Cole, C. F.	King, R. R.	Stiles, G. S.
Combs, A. M.	Leslie, W. S.	Stover, G. C.
Cowan, Fred	Lester, J. L.	Summers, J. A.
Crump, J. F.	Lester, W. T.	Tate, Alvie
Daily, J. N.	Lett, L. M.	Taylor, W. L.
Davenport, A. L.	Lewallyn, Nelson	Thompson, A. P.
Dejarnatt, J. W.	Linzy, C. B.	Thompson, Charles
Denton, R. F.	Long, Mrs. N. L.	Thompson, G. R.
Dillard, J. A.	Luck, J. L.	Tipton, W. C.
Dillard, W. H.	Mabry, Tom	Tompkins, J. B.
Dooley, J. B.	Manley, R. N.	Utley, V. T.
Downey, R. L.	Martin, J. W.	Wadley, B. L.
Downs, J. H.	Mason, J. J.	Wadley, L. D.
Fair, E. N.	Mathews, E. L.	Walker, J. C.
Flanders, J. A.	Maxwell, R. L.	Walker, J. W.
Fowler, Arthur	Mayfield, A. M.	Ware, B. L.
Gaddy, Louis	McDonald, C. S.	Watson, C. A.
Gephart, R. T. M.D.	McFerrin, J. O.	Wayman, A. K.

Gibbons, W. H.	McGraw, S. J.	Wayne, J. R.
Gilliam, W. C.	McMahan, J. S.	White, L. W.
Gillum, A. D.	McMath, J. T.	Wilkinson, S. L.
Glover, A. J.	McNiel, M. P.	Williams, C. X.
Glover, R. A.	McPherson, W. G.	Wilson, C. D.
Goodwin, William	McRae, W. M.	Wilson, J. W.
Gray, E. M.	Mease, W. E.	Wilson, W. H.
Gray, L. C.	Mitchell, J. D.	Woodul, T. W.
Green, W. C.	Mooney, Leon	Wright, R. N.
Griffin, E. P.	Moore, W. T.	Yates, G. W.
Gullett, J. E.	Morgan, G. D.	Youmans, H. D.
Hackler, C. A.	Morton, E. L.	
Hall, R. J.	Munn, J. A.	

UNIVERSITY OF ARKANSAS LAW SCHOOL.

Matriculates 1904-1905.

Abercrombie, J. S.	Chalmers, Ark.
Apple, W. J.	Austin, Ark.
Arbuckle, John D.	Booneville, Ark.
Baker, G. W.	Junet, Ark.
Berry, Benjamin F.	Little Rock, Ark.
Castle, J. T.	Havana, Ark.
Chamberlin, Horace	Vicksburg, Miss.
Cochran, E. E.	Ashdown, Ark.
Cooper, Aransas R.	Little Rock, Ark.
Dudley, R. H.	Piggott, Ark.
Dulaney, A. D.	Foreman, Ark.
Dunaway, M. E.	Conway, Ark.
Ferguson, R. F.	Morrilton, Ark.
Gray, Harry	Little Rock, Ark.
Greer, W. L.	Little Rock, Ark.
Gregson, J. E.	Harrison, Ark.
Hale, Harry C.	Little Rock, Ark.
Hinemon, J. H.	Arkadelphia, Ark.
Hobbs, Henry T.	Fourche Dam, Ark.
Holland, Robert Chester	Greenwood, Ark.
Macon, McCord	Little Rock, Ark.
McConnell, G. A.	Little Rock, Ark.
McDonald, Fred W.	Little Rock, Ark.

Reed, J. B.....	Lonoke, Ark.
Riffel, C. K.....	Little Rock, Ark.
Rogers, S. W.....	Riley, Ark.
Rowe, Prentiss Eldan.....	Greenwood, Ark.
Rowland, J. S.....	Harrison, Ark.
Roundtree, Micajah.....	Delight, Ark.
Rutherford, T. E.....	Hot Springs, Ark.
Scoggins, William T.....	Hot Springs, Ark.
Scott, Homer.....	Little Rock, Ark.
Scougale, Almerin.....	Little Rock, Ark.
Toney, W. B.....	Allen, I. T.
Townsend, Wallace.....	Little Rock, Ark.
Triggle, Ernest E.....	Little Rock, Ark.
Vick, John A.....	Little Rock, Ark.
Walser, C. M.....	Little Rock, Ark.
Wayman, Clair.....	Little Rock, Ark.
Webster, F. B.....	Little Rock, Ark.
Williams, W, O.....	Hot Springs, Ark.
Wilson, J. R.....	Warren, Ark.

GENERAL SUMMARY OF STATISTICS.

Graduates.....	7
Seniors.....	34
Juniors.....	56
Sophomores.....	82
Freshmen.....	131
Special Students.....	40
Short Course Students in Engineering.....	31
Conservatory Students.....	19
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Total Number of Collegiate and Conservatory Students.....	400
Second Year Preparatory Students.....	171
First Year Preparatory Students.....	232
Matriculated, but not classified in the Preparatory School.....	7
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Total.....	410
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Total Number of Students at Fayetteville.....	810
Medical School (Little Rock).....	212
Law School (Little Rock).....	42
Branch Normal College (Pine Bluff).....	206
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Grand Total.....	1,270

Degrees.

On Commencement Day, June 16, 1904, degrees were conferred by the trustees of the University of Arkansas, as follows:

B. A.

Abercrombie, James Scott	Phillips, Charles Oliver
Blanchard, Fay Holbrook	Shellenberger, Alice
Burney, Margaret Sue	Stone, Benjamin Hicks
Cook, Larue Jean	Swearingen, Samuel Conrad
Davies, Mary Louise	Vaulx, Elenor
Droke, Marvin Josephine	Walker, James Walter
Harding, Arthur McCracken	Williams, Charles X.
Langford, Bertram William	Wilson, John Rufus
Milum, Ray Wamon	Wilson, William Oscar
Mullins, George Walker	

B. S.

Nelson, Rufus Jeremiah

B. S. A.

Morrow, Hugh Ellis

B. M. E.

Leverett, Edward Vaulx	Quarles, Tevis Randolph
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B. C. E.

Knott, Virgil Proctor	Wood, Charles Fox
Stanford, Albert Franklin	

B. E. E.

Bloom, John Rhine	McAlester, Edward William
Chapple, Earl White	Risser, Thomas Scott

B. MUS.

Gregg, Sarah Edna

E. E.

Treadway, Theodore Charles, B. E. E.

M. D.

April, 15, 1904, the degree of M. D. was conferred by the University of Arkansas upon the following candidates:

Carmichael, A. L.	Melton, J. W.	Prickett, Charles
Davenport, J. W.	Mitchell, R. L.	Roe, J. B.
Dibrell, J. L.	McCurry, D. K.	Routh, H. P.
Glover, C. A.	Odgen, M. D.	Scott, C. V.
Gray, Oscar	Poe, W. D.	Woods, G. G.
Hawkins, B. H.	Poynor, E. E.	Yates, George
Joyce, M. J. H.		

LL. B.

June 10, 1904, the degree of LL. B. was conferred by the University of Arkansas upon the following candidates:

Brookfield, James Campbell	Hughes, Wallace Graves
Cox, John Bruce	Johnson, James Hickerson
DuVal, Herbert Thackeray	McHaney Edgar Lafayette
Haden, Horatio Hugh	Trimble, Thomas Clark
Huffmaster, Ross	Ware, Elbert M.

GRADUATES OF THE UNIVERSITY OF ARKANSAS.

College Alumni.

NAME	DEGREE	YEAR	OCCUPATION	ADDRESS
Abercrombie, J. S.	B. A.	1904	Representative in General Assembly.	Chalmers
Abernathy, G. C.	B. A.	1900	Lawyer.	Warren
Aiken, D. C. B.	C. E.	1889	Civil Engineer.	Grove, I. T.
Alden, R.	B. A.	1902	Assistant Cashier, Grove Bank.	Washington, D. C.
Allen, Edna	B. A.	1896	Teacher.	Paris
Anderson, L. S.	B. L. L.	1884	Clerk in Land Office.	San Francisco, Cal.
Arbuckle, J. D.	B. A.	1892	County Clerk.	Kansas City, Mo.
Armistead, C. F.	B. A.	1893	Captain, Sixth Artillery, United States Army.	Little Rock
Ash, L. R.	B. C. E.	1893	Draughtsman, Waddell & Hedrick.	Searcy
Askew, G. H.	B. A.	1898	Insurance Agent.	Magnolia
Askew, Nancy E.	B. A.	1901	Mrs. C. N. Weems.	Osceola
Askew, W. H.	B. A.	1897	Lawyer.	Fayetteville
Ayers, W. E.	B. C. E.	1898	Chief Engineer, Mississippi Valley Railway.	Cameron, Mo.
Barnett, Nettie	B. L.	1876	Mrs. C. P. Boles.	Memphis, Tenn.
Barr, Ida	B. S.	1896	Mrs. R. E. Bagley.	Cedar Rapids, Iowa
Barton, R. B.	B. Ph.	1902	Secretary, St. Francis Levee Board.	Kerens, Texas
Bates, C. O.	B. A.	1883	Professor of Chemistry, Coe College.	Fort Smith
Bates, Nora Madge	B. A.	1903	High School Teacher.	England
Bates, J. H.	B. A.	1886	Lawyer.	Flint, Mich.
Baxter, J. W.	B. A. B. S.	1902	Townsite Agent.	Memphis, Tenn.
Beakley, J. D.	B. Ph.	1902	Teacher, Deaf Mute School.	Chicago, Ill.
Beattie, Mary	B. A.	1896	Physician, 173 Sixth Street.	Springdale
Bell, J. C.	B. A.	1894	Lawyer.	New York City
Bell, M. L.	B. A.	1898	Lawyer.	McAlester, I. T.
Bevers, A. W.	B. A.	1898	Principal, Public School.	Golden Lake
Bibb, Blanche	B. A.	1893	Mrs. G. A. Humphreys, Hotel Endicott.	Roanoke, Va.
Billings, F. M.	B. C. E.	1903	Civil Engineer.	Fayetteville
Black, J. W.	B. A.	1892	Lawyer.	Chicago, Ill.
Blackwell, W. I.	B. C. E.	1892	Engineer.	Fort Washington, Md.
Blair, J. H.	B. C. E.	1899	Designer, Virginia Bridge and Iron Works.	McAlester, I. T.
Blakely, Nora	B. A.	1878	Mrs. H. M. Hudgins.	Roanoke, Va.
Blanchard, Fay H.	B. A.	1904	Detailer, American Bridge Company.	Fayetteville
Blaylock, J. C.	B. C. E.	1903	Assistant in Electrical Engineering and Physics.	Chicago, Ill.
Bloom, J. R.	B. E. E.	1904		University of Ark.

NAME	DEGREE	YEAR	OCCUPATION	ADDRESS
*Booth, W. P.	B. A.	1882	.....	Little Rock
Borden, Alice	.....	1877	.....	.....
Bostick, J. A.	B. S.	1901	.....	Tishomingo, I. T.
*Boteturf, Laura D.	.....	1875	Mrs. G. W. Schulte	Cooper, Texas
Bowles, P.	B. C. E.	1888	Civil Engineer	Washington, D. C.
Boyd, W. E.	B. A.	1896	Lawyer	Cane Hill
Brady, Amanda	B. S.	1896	United States Census Department	Fayetteville
Braley, Etta	B. S.	1896	Mrs. Thomas McColloch	St. Louis, Mo.
Braley, E. H.	B. A.	1894	With O. & C. C. Ry. Construction Department	Webber's Falls, I. T.
Braley, E. K.	B. M. E.	1897	Civil Engineer	Coal Hill
Brewer, O. P.	B. S.	1893	Principal of Schools	Helena
Brewster, H.	B. A.	1903	.....	Mounds, I. T.
Briggs, O. D.	B. A., B. Ph.	1902	Hardware Dealer	Pittsburg, Pa.
Brixey, A. M.	B. A.	1890	First Assistant Division Engineer, B. & O. Ry.	Little Rock
Brown, E. T.	C. E.	1900	Mechanical Engineer	Ithaca, N. Y.
Brown, F. I.	B. M. E.	1902	Student, Cornell University	Newtonia, Mo.
Brown, H. S.	B. A.	1901	Physician	Ithaca, N. Y.
Brown, W. D.	B. A.	1882	Student, Cornell University	Lincoln, Ill.
Bryan, L. B.	B. C. E.	1903	Professor of Mathematics, Lincoln College	Clarendon
Buchanan, H. E.	B. A.	1902	.....	Greenwood
Burney, M. Sue	B. A.	1904	.....	.....
Butler, H. M.	B. A.	1879	.....	.....
Campbell, J. L.	B. A.	1897	Traveling Salesman	.....
*Carden, E. B.	B. L.	1877	.....	.....
*Carnall, Ella	A. M.	1881	.....	Wichita Falls, Texas
Carrigan, A. H.	B. A.	1882	Lawyer	Jonesboro
Carson, Ann E.	.....	1875	Mrs. John Knight	Downey, Cal.
Carson, Augusta O.	.....	1875	Mrs. T. W. Cline	Mountain View
Cartwright, W. W.	B. A., B. S.	1903	Fruit Grower	Cassville, Mo.
Chanslor, C. K.	B. A.	1882	Cashier, Farmers' and Merchants' Bank	Little Rock
Chapple, E. W.	B. E. E.	1904	Little Rock Traction Co.	.....
Cherry, W. R.	B. A.	1882	.....	.....
Clancy, W. Jr.	B. A. E.	1902	Mining Engineer	Butte, Mont.
Clark, E.	B. C. E.	1903	Medical Student, Johns Hopkins University	Baltimore, Md.
Cochrane, V. H.	B. A. E.	1903	Chief Draughtsman, Waddell & Hedrick	Kansas City, Mo.
Collier, J. T.	B. C. E.	1901	.....	Charleston
Connelly, S.	B. A.	1901	Principal of Schools	Poplar Grove
Cook, L. J.	B. A.	1900	Farmer	Texarkana
		1904	W. G. Cook's Law and Real Estate Office	.....

*Deceased.

NAME	DEGREE	YEAR	OCCUPATION	ADDRESS
Cravens, Jessie.	B. L. L.	1883	Mrs. O. L. Cravens.	Neosho, Mo.
Crawford, W. A.	B. A. E.	1901	Superintendent of Schools.	Arkadelphia
Crozier, A. B.	B. A. E.	1879	Electrical Engineer.	Omaha, Neb.
Crozier, Elizabeth E.	B. A.	1903	Mrs. H. C. Evins.	Morrow
Crozier, W. N.	B. A.	1888	Missionary Lecturer.	Fayetteville
Cummings, R. N.	B. A.	1898	Physician.	Salt Lake City, Utah
Curry, Lula.	B. S.	1892	Mrs. G. L. Teller.	Chicago, Ill.
Danaher, M.	B. A.	1888	Lawyer.	Pine Bluff
Daniels, H. T.	B. C. E.	1903	Freight Agent, N. & W. Ry.	Little Rock
Davies, Hadgie B.	B. A.	1893	Adjunct Professor, English and Modern Languages.	University of Ark.
Davies, Lila	B. A.	1896	Mrs. Claude Head.	Texarkana
Davies, Mary Louise	B. A. E.	1904	Teacher.	Texarkana
Davis, F. H.	B. C. E.	1903	Junior Engineer, Mississippi River Commission.	Memphis, Tenn.
Davis, J. H.	B. E. E.	1901	Electrical Engineer.	Altoona, Penn.
Davis, B. F.	B. A., B. S.	1901		Benton County
Davis, Lizzie P.		1875	Mrs. R. C. Brown.	Flomenee, Ariz.
Dickinson, Ruth Anne.	B. A.	1900	Mrs. Elliott Berry.	Bentonville
Dickinson, T. T.	B. A.	1900	Lawyer.	Little Rock
Dixon, W. E.	B. A.	1888	Teacher.	Waldo
Drake, C. H.	B. C. E.	1891		
Drake, N. F.	C. E. E.	1894	Engineer.	Helena
Drees, C. J.	B. C. E.	1896	Consulting Geologist.	Tien-tsin, China
Droke, G. W.	B. E. E.	1896	Member of Arkansas Electric Manufacturing Co.	Little Rock
Droke, Leila Ruth.	A. M.	1880	Professor of Mathematics.	University of Ark.
Droke, M. Josephine.	B. A.	1903	High School Teacher.	Springdale
Duncan, W. H.	B. L. L.	1904	High School Teacher.	Springdale
Dyer, Mallie	B. A.	1884	Lawyer.	Conway
Dyer, Clara	B. A.	1894	Prof. of English and German, Florida State College.	Tallahassee, Fla.
*Edmiston, W. L.	B. A.	1896	Prof. of Modern Languages, Cumberland University.	Lebanon, Tenn.
Eld, Amanda A.	B. L. L.	1884	Teacher.	Tuskahoma, I. T.
Eld, C. J.	B. C. E.	1898	Engineer, American Water Works & Guaranty. Co.	St. Joseph, Mo.
Eld, G. W.	B. C. E.	1896	Engineer with Armour Packing Co.	St. Joseph, Mo.
Ellis, F. W.	B. M. E.	1900	Lieutenant, United States Army.	Fayetteville
Ellis, J. R.	B. A.	1881	Bluff City Lumber Company.	Pine Bluff
Ellis, W. Y.	B. E. E.	1903	Instructor, Branch Normal College.	Pine Bluff
England, W. W.	B. E. E.	1902		
Erwin, A. T.	B. A.	1883	Asst. Prof. of Horticulture, State Agricultural Coll.	Ames, Iowa

*Deceased.

NAME	DEGREE	YEAR	OCCUPATION	ADDRESS
*Filmore, C. R.	B. S.	1899	Lawyer.	Alvin, Texas
Fishback, L. F.	B. S.	1889	Lawyer, and Member of Congress.	Yellville
Floyd, J. C.	B. A.	1879	Teacher.	Kennedale, Texas
Flynn, W. M.	B. A.	1888	Student of Engineering University of Arkansas.	Milford, Texas
Freeman, W. A.	B. A., B. S.	1901	Instructor, Presbyterian College.	Warren
Galloway, Rowena M.	B. A.	1902	Lawyer.	Arkansas City
Gannaway, J. R.	B. A.	1890	County Judge, Desha County.	University of Ark.
Gates, D. D.	B. A.	1884	Graduate Student.	Philadelphia, Pa.
Gibson, F. I.	B. S.	1902	Engineer, American Pipe & Manufacturing Co.	Warren
Gibson, J. E.	B. M. E.	1894	Librarian, and Member of State Senate.	Chicago, Ill.
Goodwin, W. P.	B. L. L.	1884	Teacher, Military School.	Peekskill, N. Y.
Gordon, Belle E.	B. A.	1876	Lawyer.	Hot Springs
Gray, W. D.	B. A.	1900	Physician.	Fayetteville
Greaves, C. D.	B. A.	1883	Lawyer.	Fayetteville
*Gregg, A. W.	B. A.	1876	Physician.	Dardanelle
Gregg, A. S.	B. A.	1878	Lawyer.	Waldron.
Gregg, L. W.	B. A.	1882	D. & R. Ry.	Huntington
Hall, C. E.	B. C. E.	1893	Editor.	Fayetteville
Hall, H. J.	B. A.	1894	Principal of Public Schools.	Little Rock
Hamilton, W. J.	B. A.	1892	Teacher, University of Arkansas Medical School.	Monticello
Hardin, Lena J.	B. A.	1902	Student, University of Arkansas.	Kansas City, Mo.
Hardin, Nina V.	B. A.	1902	Teacher, Hinemon University School.	Kansas City, Mo.
Harding, A. M.	B. A.	1904	Mrs. W. T. Johnson, 3560 North Broadway.	New York City
Harris, Agnes	B. A.	1876	Mrs. C. P. Conrad, 3560 North Broadway.	Little Rock
Harris, Sara F.	B. A.	1876	Law Student, Columbia University.	Germany
Harris, W. M.	B. S.	1903	Mrs. T. L. Brown.	Kansas City, Mo.
*Harrison, Grace	B. A.	1889	Lawyer.	Little Rock
Hartrod, J. H.	B. A.	1879	Chancellor.	Little Rock
Hart, J. C.	B. A.	1885	Physician.	Mount Holly
Hawkins, J. T.	B. A.	1879	Lawyer.	Columbia
Hedrick, J. A.	B. S.	1894	Chemist.	Kansas City, Mo.
Hedrick, J. G.	C. E.	1893	Firm of Waddell & Hedrick, Consulting Engineers.	Little Rock
Henderson, G. D.	B. A.	1892	Lawyer.	Los Angeles, Cal
Hervey, W. R.	B. S.	1901	Lawyer.	Jonesboro
Hillis, E. W.	B. L. L.	1890	Postoffice Clerk in Philippine Islands.	Manila.
*Hobbs, J. H.	B. A.	1884		
Hobbs, W. D.	B. A., B. S.	1888		
		1901		

*Deceased.

NAME	DEGREE	YEAR	OCCUPATION	ADDRESS
Hon, Daniel.....	B. A.	1882	Lawyer.....	Waldron
Holcomb, Cener.....	B. A.	1892	Mrs. E. F. Ellis.....	Fayetteville
Holcomb, Tobelle.....	B. A.	1898	Teacher, Cumberland College.....	Clarksville
Holt, F. W.....	B. A.	1903	Assistant Paymaster, United States Navy.....	Battle Ship Wisconsin
Honnett, A. M.....	B. E. E.	1903	Electrical Engineer, Laclede Gas Company.....	St. Louis, Mo.
Hornor, J. L.....	B. A.	1900	Lawyer.....	Helena
Horsfall, F.....	B. S.	1900	Missouri State Fruit Experiment Station.....	Mountain Grove, Mo.
Horton, S. A.....	B. A.	1891	Lawyer.....	Fairview
Howell, E.....	B. A.	1901	Teacher, Southwest Virginia Institute.....	Bristol, Va.
Howell, J. W.....	B. S.	1897	First Lieut., Fourth Infantry, United States Army.....	
Hudgins, W. H.....	B. C. E.	1901	Civil Engineer.....	Mena
Hudson, J. H.....	B. L. L.	1884	Farmer.....	Dardanelle
Huie, R. W. Jr.....	B. A.	1899	Banker.....	Arkadelphia
Humphreys, G. A.....	B. A.	1890	Physician, Hotel Endicott.....	New York City
Jennings, E.....	B. A.	1877	Lawyer.....	Newport
Jones, G.....	B. L. L.	1882	Lawyer.....	Winfield, Kan.
*Johnson, A. P.....	B. A.	1875	Lawyer.....	
Johnson, T. M.....	B. L. L.	1880	Engineer, Superintendent of Public Works.....	Little Rock
Kimball, G. H.....	B. C. E.	1892	Mrs. J. C. Belt.....	Brooken, I. T.
King, Artelle Alice.....	B. L. L.	1880	Ex-Attorney General of the State of Ark.; Lawyer.....	Little Rock
Kinsworthy, E. B.....	B. L. L.	1885	Physician, City Hospital.....	St. Louis, Mo.
Kirby, F. B.....	B. A.	1889	Banker.....	Paragould
Kitchens, T. B.....	A. M.	1880	Instructor in Civil Engineering.....	University of Ark.
Knott, V. P.....	B. C. E.	1904	Mrs. S. W. Barnett.....	Viney Grove
Lake, Ella.....	B. L. L.	1884	Civil Engineer, W. H. Hunt Co.....	Ziegler, Ill.
Lander, R. S.....	B. C. E.	1904	Bookkeeper, National Cotton Oil Co.....	Pine Bluff
Langford, B. W.....	B. A.	1904	Banker; Trustee, University of Arkansas.....	Pine Bluff
Langford, W. H.....	B. A.	1880		
Laner, J. A.....	B. A.	1882	Mrs. John H. Taft.....	Shafter, Texas
Leverett, Abbie.....	B. A.	1894	Graduate Student.....	University of Ark.
Leverett, E. V.....	B. M. E.	1906	Mrs. J. A. Taft.....	Washington, D. C.
Leverett, Mary.....	B. A.	1886	Mrs. T. A. Edwards.....	Cordell, Okla.
Leverett, Rose C.....	B. A.	1897	Bookkeeper for Conner & Co.....	Fayetteville
Lipsev, D. B.....	B. E.	1896		
Longino, J. L.....	B. S. E.	1893	Electrical and Mechanical Engineer.....	St. Louis, Mo.
Marrs, S. E.....	B. M. E.	1879	Editor of the Democrat.....	Fayetteville
Marshall, J. C.....	M. A.	1879	Lawyer.....	Little Rock

*Deceased.

NAME	DEGREE	YEAR	OCCUPATION	ADDRESS
Martin, M.....	M. E.	1891	Mechanical Engineer, 3130 High Street.....	Denver, Col.
Martin, Pearl.....	B. S.	1893	Teacher.....	Fayetteville
Massie, J. C.....	B. A.	1877	Salesman.....	Fayetteville
Martineau, J. E.....	B. A.	1896	Lawyer, and Member of General Assembly.....	Little Rock
Mayes, J. F.....	B. A.	1883	Lumber Dealer.....	Fayetteville
McAlester, E. W.....	B. E. E.	1904	In business.....	McAlester, I. T.
McCam, W. R.....	M. A.	1898	Supt. Construction, L. & So. Ind. Traction Co.....	Little Rock
McConnell, J. L.....	B. C. E.	1902	Read & McDonough, Attorneys.....	Louisville, Ky.
McDonough, J. B.....	B. A.	1882		Fort Smith
McFarlane, R. W.....	B. A.	1882		
McGehee, A.....	M. A.	1884	Lawyer; Member of State Capitol Commission.....	Greenwood
McKinney, C. F.....	B. A.	1903	Law Student Columbia University.....	New York City
McNeely, J. C.....	B. C. E.	1875	Firm of Ferguson-McKinney Dry Goods Co.....	St. Louis Mo.
McNeill, D. A.....	B. M. E.	1889	Planter.....	Rackensack
McRea, C.....	B. C. E.	1897	Superintendent of Factory	Salem, Ohio.
Means, E. D.....	B. A.	1901	Teacher.....	Mount Holly
Mellette, W. M.....	B. L.	1900	Mellette & Smith, Attorneys.....	Paris
Melton, Mattie C.....	B. A.	1877	Mrs. M. L. Cotton.....	Vinita, I. T.
Middleton, Mai.....	B. A.	1886	Mrs. R. Chasteen.....	Huntington
Middleton, R. J.....	B. C. E.	1903	Engineer with W. H. Bryant Co.....	Pawnee, Okla.
Milum, R. W.....	B. A.	1904	In business.....	Kansas City, Mo.
Mitchell, S. A.....	B. A.	1903	Law Student, University of Michigan.....	Harrison
Mobberly, H. P.....	B. C. E.	1894	Civil Engineer, University of Michigan.....	Ann Arbor, Mich.
Mock, E. L.....	B. A.	1894	With W. D. Cleveland & Son, Cotton Merchants.....	Natchez, Miss.
Mock, L. Byrd.....	B. A.	1894	Graduate Student.....	Houston, Texas.
Moore, B. L.....	B. A.	1900	Lawyer.....	University of Ark.
Moore, J. F.....	B. S.	1893	Dealer in Furniture.....	Van Buren
Moore, J. H.....	B. S.	1893	Chemist, Mathieson Alkali Chemical Co.....	Fayetteville
Moore, J. I.....	B. A.	.....	Lawyer.....	Saltville, Va.
Moore, J. L.....	B. M. E.	.....	Draughtsman, Westinghouse Manufacturing Co.....	Helena
Moore, Lucy J.....	B. M. E.	1875	Mrs. J. G. Ross.....	Pittsburg, Pa.
Mooring, D. C.....	M. S.	1903	Instructor in Horticulture, A. & M. College.....	Fayetteville
Morrow, D. C.....	B. E. E.	1897	Engineer.....	Pullman, Wash.
Morrow, H. E.....	B. S. A.	1904	Adjunct Professor of Chemistry.....	Eureka Springs
Morrow, Mattie W.....	B. S.	1890	Mrs. J. Wilson.....	University of Ark.
*Mulholland, Sara.....	B. A.	1886	Mrs. J. F. Mayes.....	Fayetteville
Muller, J. F.....	B. M. E.	1903	Mechanical Engineer.....	Little Rock

*Deceased.

NAME	DEGREE	YEAR	OCCUPATION	ADDRESS
Mullins, G. W.	B. A.	1904	Instructor in Math., and Comndt., Mtn. Home Acad.	Mountain Home
Mundt, L. J.	B. A., B. S.	1901		Helena
Myar, A. J.	B. C. E.	1896	Engineer, St. Louis Bridge & Iron Co.	St. Louis, Mo.
Neal, W. H.	B. L.	1876	Lawyer.	Van Buren
Nelson, R. J.	B. S.	1904	Teacher.	Foreman
Newman, A. J.	B. A.	1891	Lawyer.	Little Rock
Newman, L. L.	B. E.	1901	Electrical Engineer, Penn. Ry.	Altoona, Pa.
Nichols, G.	B. A.	1898	Journalist.	Denver, Col.
Notrebe, E. P.		1885	Physician.	Denver, Col.
Oats, T. F.	B. A.	1892	Physician.	Kansas City, Mo.
Obenskain, Ora.	B. S.	1889	Teacher in Public Schools.	Mexia, Texas.
Orto, C. H.	B. A.	1900	Pulaski Trust Company.	Eureka Springs
Pace, Ida.	B. A.	1898	Mrs. A. H. Purdue.	Little Rock
Patterson, Daisy B.	B. A.	1899	Teacher, Galloway College.	Fayetteville
Patton, C. C.	B. A.	1891	Lawyer.	Searcy
Patton, L. Alice.	A. M.	1879	Teacher.	Hillsboro, Ohio
Patton, Mattie J.	B. L.	1880	Mrs. Charles Jenkins.	Prairie Grove
Pettigrew, T. A.	A. M. E.	1878	Lawyer.	Denver, Col.
Pharr, H. N.	B. C. E.	1893		Charleston
Pharr, J. S.	C. E.	1900	Chief Engineer, St. Francis Levee Board.	Memphis, Tenn.
Philbeck, R. E.	B. A.	1892	Assistant Engineer, St. Francis Levee Board.	Memphis, Tenn.
Phillips, C. O.	B. A.	1900	Instructor, Preparatory Department.	University of Ark.
Pickel, J. W.	B. A.	1904	Assistant Bookkeeper, Bank of Fayetteville.	Fayetteville
Pitman, R. T.	B. A.	1882	Physician for Crystal Plate Glass Company.	Crystal City, Mo.
*Polson, Alice.	B. S.	1894	Chemist, Sloss Iron & Steel Company.	Birmingham, Ala.
Powell, W. W.	B. S.	1888	Mrs. W. C. Hutchinson.	
Price, C. G.	B. A.	1888	Lawyer.	Batesville
Pruett, W. E.	B. A.	1898	Bookkeeper for Yowell & Williams.	Little Rock
Purdy, Lizzie.	B. C. E.	1897	Assistant Engineer, Drainage Canal.	Chicago, Ill.
Putman, Anna.	B. S.	1900	Mrs. George Darden.	Carey, Miss.
Quarles, T. R.	M. A.	1875	Mrs. Charles M. King, Teacher.	Fayetteville
Rattenbury, W. H.	B. M. E.	1904	Mechanical Engineer.	Guthrie, Okla.
Redus, J. L.	B. A.	1900	Insurance Agent.	Fayetteville
Reed, G. W. M., Jr.	B. A.	1896	United States Census Office.	Lead Hill
Reed, Lina X.	B. L.	1884	Professor of English, Waynesburg College.	Washington, D. C.
*Reed, Maggie.	B. A.	1881	Mrs. Presley Crawford.	Waynesburg, Pa.
Remy, Mollie.	B. A.	1878	Mrs. S. C. Treadwell.	
	B. A.	1896		Tishomingo, I. T.

*Deceased.

NAME	DEGREE	YEAR	OCCUPATION	ADDRESS
Rieff, O. S.	B. A.	1881	Lawyer.	Little Rock
Rife, W. B.	B. A.	1903	Teacher.	Springdale
Risser, T. S.	B. E. E.	1904	Electrical Engineer, 1022 West Grand Avenue.	Des Moines, Iowa
Rogers, P. A.	B. A.	1892	Farmer.	Gravette
Ross, H. L.	B. A.	1901	Student, Theological Seminary.	Richmond, Va.
Ross, Lucy I.	B. A.	1901	Teacher.	Fort Smith
Ross, W. A.	B. A.	1898	Minister.	Fort Smith
*Ross, Z. C.	B. A.	1880		Altoona, Pa.
Ruggles, W. A.	B. E. E.	1903	Electrical Engineer, Penn. Ry.	Russellville
Russell, L.	B. A.	1880	Lawyer.	Washington, D. C.
Sadler, C. L.	B. C. E.	1901	Topographer, United States Geological Survey.	Hot Springs
Sanders, C. F.	B. A.	1899	School Principal.	
Sanders, T. E.	B. S.	1901		Hot Springs
Saxon, R. L.	B. Ph.	1903	Medical Student, University of Tennessee.	Nashville, Tenn.
Schoff, G. C.	B. C. E.	1888	Civil Engineer, Babcock-Wilcox Company.	Philadelphia, Pa.
Sedwick, T. D.	B. A. B. S.	1902	Chemist, Rock Island Ry., 4132 Berkeley Avenue.	Chicago, Ill.
Shell, G. C.	B. L. L.	1882	Lawyer.	Lake Village
Shellenberger, Alice.	B. A.	1904		Fayetteville
Shreve, A. W.	B. C. E.	1891		Farmington
Shreve, H. B.	B. C. E.	1891	In business.	Beulah, Col.
*Simms, W. D.	B. L.	1877		
*Simonds, Alice.	B. S.	1896		
Skelton, G. V.	B. C. E.	1891	Mrs. A. V. Smith.	
	B. C. E.	1895	Professor of Mathematics, Agricultural College.	Corvallis, Ore.
Skelton, J. E.	B. S.	1897	Chemist, Roane Steel and Iron Company.	Rockwood, Tenn.
Slagle, Ida.	B. A.	1889	Mrs. W. J. Gilbreath.	Kansas City, Mo.
Sloan, C. C.	B. S.	1900	Physician.	Moline, Ill.
Smith, A. V.	B. A.	1898	Lawyer, 18 Plaza de Cervantes.	Manila, P. I.
Smith, C. D.	B. A.	1902	Graduate Student.	Cal.
Smith, Fannie Marie.	B. A.	1901		El Dorado
Spencer, E. L.	B. A.	1898	Teacher of History, High School.	Tacoma, Wash.
Stanford, A. F.	B. C. E.	1904	St. Francis Levee Board.	Memphis, Tenn.
Streepy, J. P.	B. A.	1903	Public School Teacher.	Lenoke
Stone, B. H.	B. A.	1904	Law Student, University of Virginia.	Charlottesville, Va.
Stroup, H.	B. A.	1883	Trustee, University of Arkansas.	Paris
Stubblefield, Demie T.	B. A.	1901	Stenographer, Indian Commission.	Vinita, I. T.
Stubblefield, G.	B. C. E.	1902	Irrigation Engineer.	Fendleton, Ore.

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NAME	DEGREE	YEAR	OCCUPATION	ADDRESS
Sutton, Mabel.....	B. A.	1902	Instructor, Preparatory Department.....	University of Ark.
Sutton, W. S.....	A. M.	1878	Professor of Pedagogy.....	University of Texas
Swearingen, S. C.....	B. A.	1904	Teacher.....	Jacksonville
*Taff, A.....	B. C. E.	1890	Teachers' Agency.....	Austin, Texas
Taff, I. L.....	B. A.	1884	Mrs. G. V. Skelton.....	Corvallis, Ore.
Taff, Mary.....	B. A.	1889	Stenographer.....	Kansas City, Mo.
Taliferro, Lou.....	B. L.	1883	Lawyer.....	Bentonville
Taylor, E. L.....	B. L.	1876	Bookkeeper.....	Pine Bluff
Taylor, D. W.....	B. A.	1900	School Principal.....	Texarkana, Texas
Taylor, R.....	B. A.	1903	Lawyer.....	Hot Springs
Teague, C. V.....	B. A.	1879	Mrs. C. L. Dunlap.....	Fayetteville
Thomason, Annie Cyna.....	B. A.	1900	Capitalist.....	Fort Worth, Texas
Tillar, B. J.....	B. L.	1886	Circuit Judge.....	Fayetteville
Tillman, J. N.....	B. L.	1880	Law Student.....	Little Rock
Towler, G. F.....	B. A.	1900	Adjunct Professor of Mechanical Engineering.....	Fayetteville
Towler, T. C.....	B. E.	1901	Traveling Salesman, Ewing-Merkle Company.....	St. Louis, Mo.
Treadway, W. A.....	E. E.	1904	Engineer, St. L. & S. F. Ry. Terminal Improvement.....	New Orleans, La.
Treadwell, L.....	C. E.	1901	Lawyer.....	Tishomingo, I. T.
Treadwell, S. C.....	B. A.	1888	In business.....	Pine Bluff
Triplett, C. H.....	B. A.	1894	Engineer, Missouri Pacific Ry.....	Carthage, Mo.
Vance, A. M.....	B. C. E.	1893	United States Army.....	Little Rock
Vandeventer, J.....	B. S.	1896	Lawyer.....	St. Louis, Mo.
Vaughan, George.....	B. A.	1896	Teacher.....	St. Louis, Mo.
Vaulx, Eleanor.....	B. A.	1904	Professor of English, Coe College.....	St. Louis, Mo.
Vaulx, Julia.....	B. A.	1892	Teacher.....	St. Louis, Mo.
Vaulx, Katherine D.....	B. A.	1897	With Bluff City Lumber Company.....	St. Louis, Mo.
Vaulx, S. F.....	B. A.	1892	Mrs. Marcus.....	St. Louis, Mo.
Wagener, Annie.....	B. L.	1877	Professor of Natural Philosophy, University of Col.....	St. Louis, Mo.
Wagener, W. J.....	A. M.	1876	Lawyer.....	St. Louis, Mo.
Walker, I. V.....	B. A.	1877	Medical Student.....	St. Louis, Mo.
Walker, J. W.....	B. A.	1904	Teacher.....	St. Louis, Mo.
Watson, C. A.....	B. A.	1877	Physician.....	St. Louis, Mo.
Watson, I. J.....	B. A.	1881	Theological Student, Vanderbilt University.....	St. Louis, Mo.
Warren, G. A.....	B. L.	1888	Black Rock.....	St. Louis, Mo.
Wasson, A. W.....	B. A.	1902	Nashville, Tenn.....	St. Louis, Mo.
Webster, Olive S.....	B. A.	1901	Marvell.....	St. Louis, Mo.

* Deceased.

NAME	DEGREE	YEAR	OCCUPATION	ADDRESS
Wheeler, J. N.	B. A.	1890	Capitalist.	Warren
Weems, C. N.	B. A.	1899	Professor, Galloway College.	Searcy
Wiley, Pearle.	B. S.	1902	Teacher of Science, Galloway College.	Little Rock
Wiley, Winona May.	B. A.	1899	High School Teacher.	Charleston
Wilkinson, W. N.	B. A.	1901		Little Rock
Williams, C. X.	B. A.	1904	Medical Student.	Fayetteville
Williams, Hattie.	B. A.	1898		University of Ark.
Williams, Jennie.	B. A.	1896		
Williams, Naomi J.	M. A.	1880	Instructor, Preparatory Department.	
*Willis, R. H.	B. A.	1888	Ph. D., 1896.	Altoona, Pa.
Wilson, H. H.	B. E. E.	1901	Electrical Engineer, Penn. Ry.	Warren
Wilson, J. R.	B. A.	1904	Representative, General Assembly.	Fort Smith
Wilson, W. O.	B. A.	1904	High School Teacher.	Stephens
Womack, I. P.	B. A.	1903	School Principal.	Philadelphia Pa.
Wood, A. C.	B. M. E.	1892	Engineer, 1414 Pennsylvania Building.	Altoona, Pa.
Wood, B. F.	B. E. E.	1893	Assistant Engineer, Penn. Ry., 2520 Broad Avenue.	Little Rock
Wood, C. D.	B. A.	1879	Associate Justice, Supreme Court of Arkansas.	Pittsburg, Pa.
Wood, C. F.	B. C. E.	1904	With B. & O. Ry.	Texarkana, Pa.
Wood, G. B.	B. A.	1899	Kansas City Southern Ry. Office.	Lake City, Fla.
Woodall, W. H.	B. A.	1885	Principal, Female College.	Center Ridge
Woolvorton, C. D.	B. L. L.	1885	Teacher.	University of Ark.
Young, Daisy.	B. A.	1900	Instructor, Preparatory Department.	

*Deceased.

NOTE.—The President will be pleased to receive information as to the address and occupation of those alumni for whom these data are wanting. The alumni are especially requested to give notice of any omission or errors in the foregoing list, or any changes made during the ensuing year.

**STATISTICS RELATING TO THE COLLEGIATE GRADUATES OF THE
UNIVERSITY OF ARKANSAS TO THE YEAR 1905.**

Graduates.....	351
Alumni.....	267
Alumnæ.....	84
Graduates of Engineering courses.....	72
Graduates of all other courses.....	279
Bachelors of Arts.	206
Graduates of all other courses.....	145
Occupations of living graduates.....	19
Teachers.....	72
Lawyers.....	49
In business occupations.....	39
Married alumnæ living.....	35
Civil Engineers.....	32
No occupation reported.....	24
Deceased.....	19
Graduate students.....	17
Electrical Engineers.....	13
Physicians.....	13
Mechanical Engineers.....	7
In the Army and Navy.....	5
Farmers.....	5
Chemists.....	5
Journalists.....	4
Judges.....	4
Clergymen.....	4
Geologist.....	1
Mining Engineer.....	1
Pomologist.....	1
Librarian.....	1

COLLEGIATE ALUMNI ASSOCIATION.

The object of this Association is to maintain the interest of the graduates in the institution and bring them into a closer relation with the University. To this end all of its collegiate graduates are regarded as members. The association holds annually a meeting and a banquet at some time during Commencement week. The officers are as follows:

T. B. KITCHENS, 1880, *President*.

J. C. FLOYD, 1879, *Vice President*.

MABEL SUTTON, 1902, *Secretary*.

• IDA PACE PURDUE, 1888, *Treasurer*.

G. W. DROKE, 1880,

W. A. TREADWAY, 1901,

MABEL SUTTON, 1902,

} *Executive Committee.*

U. OF A. ALUMNI ASSOCIATION OF MEMPHIS, TENN.

The object of this association is to help the interests of the University and to promote friendly relations among the former and present students of the University who reside in or visit Memphis and vicinity. Annual meetings are held on the first Tuesday in May, and quarterly meetings on the first Tuesday in August, November and February. The officers of the association are:

H. N. PHARR, 1893, *President*.

J. C. BELL, 1894, *Vice President*.

T. D. LAWLER, *Secretary and Treasurer*.

It is hoped that the former and present students of the University in other places will organize local associations.

*NORMAL GRADUATES.

NAME	ADDRESS	YEAR
Blair, Leora.....	.....	1904
Blanchard, Fay Holbrook.....	.....	1904
Cartwright, W. W.....	Mountain View.....	1903
Clark, Flora L.....	Mena.....	1903
Cole, Mary E.....	Student, University of Arkansas.....	1903
Davies, Mary Louise.....	.....	1904
Easterly, Maud.....	Fayetteville.....	1899
Ellis, Miggie.....	Fayetteville.....	1898
Gallaway, Irene.....	Fayetteville.....	1890
Hall, Hubert J.....	Fayetteville.....	1887
Hamilton, J. W.....	Hartford.....	1891
Hardin, Lena Jane.....	Fayetteville.....	1902
Hobbs, W. D.....	Bentonville.....	1899
Holcomb, C.....	Clarendon.....	1890
Johnson, J. E.....	New Lewisville.....	1900
Kimbrough, N. D.....	Dutch Mills.....	1900
Kuykendall, James Wyse.....	.....	1904
Mitchell, Brainerd.....	.....	1904
Morrow, Lula C.....	Fayetteville.....	1899
Nelson, Rufus J.....	School Principal, DeQueen.....	1903
Oates, Charles Everett.....	.....	1904
Peterson, W. J.....	Paris.....	1903
Southerland, J. W.....	Hindsville.....	1888
Streepy, J. P.....	Lonoke.....	1903
Stubblefield, Demie T.....	Fayetteville.....	1899
Taff, J. H.....	Waldron.....	1887
Thompson, Albert S.....	.....	1904
Walker, James Walter.....	.....	1904
Watkins, W. H.....	.....	1897
Whitehead, Alexander Dixon.....	.....	1904
Wilson, J. R.....	Law Student, Little Rock.....	1903
Wilson, W. O.....	High School Teacher, Ft. Smith.....	1901
Williams, Charles X.....	Medical Student, U. of A.....	1902
Williams, Mattie.....	Fayetteville.....	1897
Womack, Joseph P.....	Stephens.....	1902

*NOTE.—This is only a partial list of the normal graduates, as no complete record has been taken from year to year. The addresses are taken from old University catalogues. We ask the graduates of this department to help complete the list and correct the addresses. Address Prof. W. S. Johnson, Fayetteville, Ark.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF
ARKANSAS.

NAME	STATE	YEAR
Adams, Joseph G.....	Arkansas.....	1890
Agerton, George Green.....	".....	1888
Allen, James Genoce.....	".....	1891
Allen, Samuel W.....	".....	1882
Anderson, Charles C.....	".....	1900
Armstrong, John C.....	Texas.....	1893
Armstrong, N. E.....	Arkansas.....	1902
Bailey, Walter E.....	".....	1895
Baker, Robert L.....	Missouri.....	1892
Baker, William Pitt.....	Arkansas.....	1891
Baker, James E.....	".....	1893
Barnett, John J.....	".....	1893
Basham, John P.....	".....	1883
Basham, Olina.....	".....	1885
Baugh, William F.....	".....	1885
Baum, Frank.....	".....	1891
Bennett, Alfred.....	".....	1887
Bennett, Burrell L.....	".....	1892
Bennett, William H.....	".....	1895
Bentley, Carle E.....	".....	1895
Beakley, Napoleon B.....	".....	1893
Black, Evan M.....	".....	1901
Blackwell, W. I.....	".....	1903
Blakely, John P.....	".....	1893
Blakely, Thomas B.....	".....	1883
Blackburn, Thomas W.....	".....	1882
Bogart, J. A.....	".....	1902
*Bond, Sterling Price.....	".....	1886
Bonham, Samuel S.....	".....	1895
Bond, Thomas J.....	Indian Territory.....	1895
Bradley, Benjamin R.....	Arkansas.....	1889
Bristow, Jessie E.....	Indian Territory.....	1894
Brown, John Frederick.....	Arkansas.....	1891
Brumfield, Richard S.....	Missouri.....	1891
Bryan, Silas A.....	Arkansas.....	1886
Bryan, William T.....	".....	1884
Buckner, Rufus G.....	North Carolina.....	1897
Buckner, Thomas J.....	Texas.....	1892
*Bunn, Dudley B.....	Arkansas.....	1881
Burgess, Sidney C.....	".....	1886
Bush, Francis D.....	Indian Territory.....	1888
Butler, John L.....	Arkansas.....	1894
Butler, Samuel S.....	".....	1901
Butler, William R.....	Texas.....	1901
Callahan, E. A.....	Arkansas.....	1903
*Campbell, Floyd S.....	".....	1892
Cantrell, Charles E.....	".....	1893
Cantrell, William W.....	Texas.....	1897
Carden, James D.....	Arkansas.....	1894
Carey, Anger B.....	".....	1888
Carroll, Daniel C.....	".....	1881
Carver, Cluyburn R.....	Texas.....	1898
*Chamness, Gilbert C. T.....	Arkansas.....	1886
Chastain, Charles H.....	".....	1900
Chenault, John C.....	".....	1895
Chenault, Richard.....	".....	1887

*Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF
ARKANSAS.

NAME	STATE	YEAR
Childers, Jonathan M.....	Arkansas.....	1901
Clancey, Thomas J.....	".....	1897
Clark, Charles D.....	".....	1898
Clark, William I. A.....	".....	1897
Clayton, James L.....	Louisiana.....	1891
Cline, Isaac M., A. M.....	Tennessee.....	1885
Clingan, A. J.....	Arkansas.....	1902
Collins, Fred A.....	".....	1893
Coors, George A.....	".....	1886
Cook, Louis A.....	".....	1895
Cureton, Hugh E.....	".....	1895
Daly, J. M.....	".....	1897
Damron, Alonzo L.....	".....	1901
Daugherty, James.....	Texas.....	1897
Davenport, Robert G.....	".....	1893
Davis, William A.....	Arkansas.....	1884
Dibrell, Edwin R.....	".....	1882
Dibrell, John R.....	".....	1900
Dibrell, Matt S.....	".....	1889
Dickinson, George L.....	".....	1892
Dillard, Bee A.....	Louisiana.....	1896
Donaldson, C. W.....	Missouri.....	1903
Driver, John H.....	Arkansas.....	1884
Duncan, Lorenzo D.....	".....	1897
Dunman, Gonzalas.....	".....	1900
Dunnahoo, Benjamin S.....	".....	1888
Durham, George W.....	Texas.....	1892
Eaves, James B.....	Arkansas.....	1886
Eddy, J. D.....	".....	1902
Edwards, D. H.....	".....	1902
Elam, George F.....	".....	1889
Elliott, George T.....	Texas.....	1896
Elliott, J. E.....	Arkansas.....	1903
Eubanks, Felix G.....	".....	1887
Evans, David C.....	".....	1896
*Evans, William P.....	".....	1887
Fike, William T.....	".....	1896
Fisher, Daniel N.....	".....	1896
Fletcher, Thomas M.....	".....	1889
Fly, T. M.....	".....	1903
Foster, John R.....	South Carolina.....	1896
Foster, R. C.....	Arkansas.....	1903
Fowler, William R.....	".....	1890
Freeman, William D.....	".....	1899
French, Frank L.....	".....	1882
Gannaway, Columbus E.....	".....	1896
Gatlin, Eugene N.....	".....	1889
George, Isaac M.....	".....	1881
Gibson, G. H.....	Texas.....	1903
Gipson, Thomas J.....	".....	1889
Gladden, Roger Burns.....	".....	1888
Graham, Andrew J.....	".....	1881
Graham, James F.....	".....	1887
Greene, Edwin P.....	Indian Territory.....	1900
Griffin, John L.....	Arkansas.....	1881
Guthrie, Adam, Jr.....	".....	1893

*Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF
ARKANSAS.

NAME	STATE	YEAR
Haizlip, Numa A.....	North Carolina.....	1901
Hale, W.....	Texas.....	1892
Hamilton, Andrew J.....	Arkansas.....	1893
*Hancock, John I.....	".....	1893
Harkey, Reuben M.....	".....	1886
Harkey, William I.....	".....	1893
Harkness, John H.....	".....	1881
Harris, Larkin L.....	".....	1891
Harrison, Andrew J.....	".....	1901
Harrison, Mark W.....	Indian Territory.....	1898
*Harrolson, William H.....	Arkansas.....	1881
Hart, Thomas C.....	".....	1891
Hartsell, John S.....	".....	1888
Hays, Perry C.....	".....	1901
Haiman, Henry.....	".....	1892
Herring, Robert G.....	".....	1901
Herrod, Willis L.....	".....	1891
Heron, Alfred W.....	".....	1891
Higgs, Archie K.....	".....	1891
*Higgs, James Cofield.....	".....	1890
Hill, Benjamin Levin.....	".....	1887
Hill, Israel.....	Indian Territory.....	1898
Hippolite, Fred A.....	Arkansas.....	1891
Hodges, Thomas E.....	".....	1888
Hornbarger, William J.....	".....	1884
Hughes, William B.....	".....	1889
Hunt, William R.....	".....	1889
Hurley, Charles E.....	".....	1892
Illing, William P.....	".....	1889
Jackson, James Henry.....	".....	1891
Jackson, Norborn H.....	".....	1881
Jackson, Norborn H., Jr.....	".....	1901
Jackson, William J.....	".....	1889
Jacobs, Jessie J.....	".....	1898
James, Edward D.....	".....	1901
Jeffery, Theodore E.....	".....	1898
Jennings, Orville.....	".....	1897
Johnson, Victor M.....	".....	1896
Jones, Isaac Garrett.....	".....	1889
Jones, William E.....	".....	1896
Joyner, William T.....	".....	1889
Kelly, Edward L.....	".....	1896
Kelly, John L.....	Louisiana.....	1898
Kelley, Warren.....	Arkansas.....	1897
Kerley, William W.....	".....	1898
Key, Wesley F.....	Texas.....	1885
Kimberlin, John C.....	Arkansas.....	1897
King, Jacob H. C.....	".....	1889
Knox, Benson.....	Texas.....	1886
Kolb, James Silas.....	Arkansas.....	1892
Krueger, E.....	".....	1902
Lantorn, Zachary J.....	".....	1885
*Laster, James D.....	".....	1886
Lane, Edward C.....	".....	1896
Lay, Shelby.....	".....	1898
Layne, Edward R.....	".....	1888

*Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF
ARKANSAS.

NAME	STATE	YEAR
*Lee, Richard H.....	Arkansas.....	1885
Leonard, J. D.....	".....	1903
Lewis, G. W.....	".....	1902
Lindsey, C. W.....	".....	1901
Lindsey, James H.....	".....	1884
Lindsey, William S., Jr.....	".....	1884
Lively, William M.....	".....	1892
Liverman, James R.....	Texas.....	1900
Long, William J.....	Arkansas.....	1897
Love, Jerome D.....	".....	1894
Luther, Joel E.....	".....	1897
McBride, George A.....	".....	1889
McClain, M. D.....	".....	1902
McConnell, John W.....	".....	1884
McCurry, Louis E.....	".....	1890
McDonald, Andrew J.....	".....	1901
McKelvey, Aaron A.....	".....	1894
Madole, Berry W.....	Kentucky.....	1898
*Mashburne, Thomas R.....	Arkansas.....	1893
Mason, George K.....	".....	1890
Mason, Jefferson Mcl.....	Texas.....	1888
Mathews, Joseph H.....	Arkansas.....	1893
Matlock, George S.....	".....	1900
Maxwell, Isaac L.....	Texas.....	1886
Meeks, Edward D.....	Arkansas.....	1893
Mickel, Frederick A.....	".....	1893
Miller, Jacob T.....	".....	1889
Miller, Samuel E.....	".....	1891
Miller, William H.....	".....	1888
Minturn, Horatio F.....	New York.....	1899
Moeur, Benjamin B.....	Texas.....	1896
*Moeur, John K.....	".....	1894
Moncrief, Joseph J.....	Alabama.....	1897
Montgomery, Henry L.....	Arkansas.....	1894
*Morden, James G.....	".....	1886
Moreland, L. B.....	".....	1898
Morrow, John J.....	".....	1889
Munn, Jesse B.....	".....	1899
Murray, John V.....	".....	1886
Nail, Charles C.....	".....	1889
*Nichols, Marion M.....	".....	1887
Oliver, Hardy P.....	Texas.....	1894
Ogilvie, James W.....	Arkansas.....	1892
Ozment, Samuel J.....	".....	1898
Palmer, Luther B.....	".....	1892
Parham, Smead F.....	".....	1897
Parker, James.....	".....	1902
Parker, Samuel.....	".....	1892
Patterson, Charles H.....	".....	1896
Patterson, William F.....	Tennessee.....	1884
Patton, John W.....	Arkansas.....	1889
Payne, Frank P.....	".....	1890
Pease, John Benjamin, Jr.....	Mississippi.....	1891
Perdue, John W.....	Arkansas.....	1895
Phillips, J. A.....	".....	1903
Phillips, John Morgan.....	".....	1891

*Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF
ARKANSAS.

NAME	STATE	YEAR
Phillips, Reuben Young.....	Arkansas.....	1891
Pickett, William S.....	Alabama.....	1888
Pinson, Thomas M.....	Arkansas.....	1880
Pinson, William Byrd.....	".....	1891
Pinson, William J.....	".....	1882
Pipkin, John W.....	".....	1890
Pleas, Edgar F.....	".....	1893
Potts, James R.....	".....	1897
Powell, Millard F.....	".....	1892
Powell, James P.....	Louisiana.....	1896
Powley, Charles Perry.....	Canada.....	1881
Poynor, Isaac M.....	Arkansas.....	1890
Prothro, Hassel.....	".....	1890
Quinn, Lot L.....	".....	1895
Ragsdale, Lewis T.....	".....	1888
Redfearn, Harrison.....	Mississippi.....	1887
Reece, David T.....	Indian Territory.....	1901
Rhodes, James F.....	Arkansas.....	1886
Rice, Clinton A.....	".....	1901
Ringgold, George W.....	".....	1886
Ringgold, John W.....	".....	1890
Robinson, Frank C.....	".....	1896
Rogers, William F.....	".....	1888
Russell, Robert L.....	".....	1898
Rutherford, Thomas F.....	".....	1883
Rutherford, S. C.....	Indian Territory.....	1901
Ryan, Isaac A.....	Arkansas.....	1887
Ryan, Joseph V.....	Texas.....	1897
Rye, Charles.....	Arkansas.....	1889
Sadler, Henry David.....	".....	1891
Seaver, James A.....	".....	1883
Selman, Henry S.....	Texas.....	1896
Sheppard, James M.....	Arkansas.....	1897
Shoppach, Annie A.....	".....	1901
Shuford, Felix B.....	Texas.....	1898
Shuler, James L.....	Arkansas.....	1887
Simpson, Richard H.....	".....	1887
Slaight, John L.....	".....	1889
Smith, Daniel M.....	Texas.....	1887
Smith, Elbert H.....	Indian Territory.....	1898
Smith, George W. R.....	Arkansas.....	1891
Smith, Lewis C.....	".....	1884
Smith, Morgan.....	".....	1889
Smith, Robert J.....	".....	1890
Smith, William J.....	".....	1888
Snodgrass, William A.....	".....	1897
Stanfield, M. F.....	".....	1690
Stark, Calvin B.....	".....	1890
Steed, C. J.....	".....	1903
Steed, Pinkney M.....	".....	1898
*Stevenson, Thomas.....	".....	1881
Stephenson, A. J.....	".....	1898
Stewart, James L.....	".....	1895
Stobaugh, Fielding B.....	".....	1897
Stokes, B. S.....	".....	1902
Stueart, J. B.....	".....	1903

*Deceased.

ALUMNI OF THE MEDICAL SCHOOL OF THE UNIVERSITY OF
ARKANSAS.

NAME	STATE	YEAR
Suggs, Frank.....	Arkansas.....	1897
Sykes, Arthur H.....	".....	1895
Tatum, Oscar H.....	".....	1888
Thibault, Henry.....	".....	1900
Thomasson, Joseph B.....	".....	1894
Thomasson, Nicholas T.....	".....	1881
Thompson, James Isaac.....	".....	1892
Thompson, John W.....	".....	1887
Thompson, Lewis O.....	".....	1884
Thompson, Robert C.....	".....	1891
Thompson, Robert E.....	Louisiana.....	1885
Thompson, William.....	Arkansas.....	1897
Tims, Talbot B.....	".....	1886
Todd, James H.....	".....	1894
Tolleson, George W.....	".....	1898
Tolleson, Robert E.....	".....	1698
Toner, Harry M.....	Indiana.....	1895
Treadway, Paca H.....	Arkansas.....	1894
Truitt, Edward.....	".....	1893
Turner, Wert B.....	Virginia.....	1888
Tunham, Harrison H.....	Arkansas.....	1887
Ulmer, Charles F.....	Texas.....	1895
Vaughan, John T.....	Arkansas.....	1892
Vaughan, Milton.....	".....	1892
Vaughter, Samuel Paul.....	".....	1892
Voris, James H.....	".....	1901
Wallace, Charles T.....	".....	1897
Walton, James W.....	".....	1892
Walton, Paul N.....	Texas.....	1891
Ward, S. J.....	Arkansas.....	1892
Ward, W. W.....	".....	1902
Ware, John C.....	".....	1886
Waterfield, Floyd E.....	Indian Territory.....	1899
Watkins, Anderson.....	Arkansas.....	1897
Watkins, Garland J.....	".....	1897
Watkins, J. G.....	".....	1903
Waterson, Benjamin F.....	".....	1881
Waters, George Aaron.....	".....	1892
Waters, George Alvis.....	Indian Territory.....	1890
Wear, John B.....	Arkansas.....	1888
Webb, Abner L.....	Texas.....	1884
West, James W.....	Indian Territory.....	1901
Westbrooks, Thomas H.....	Arkansas.....	1892
*Wiggs, John J.....	".....	1888
Williams, Eugene W.....	Texas.....	1899
Williams, A. A. C.....	Arkansas.....	1884
Wilson, David F.....	".....	1891
Wilson, James J.....	".....	1893
*Wilson, John F.....	".....	1897
Wood, Neal.....	".....	1890
Woolford, William S.....	".....	1894
Wycough, William E.....	".....	1892
Young, John M.....	".....	1895
Zachary, Burr S.....	".....	1883
Zuber, Lee.....	".....	1901

*Deceased.

ONLY HONORARY DEGREES GRANTED.

NAME	STATE	YEAR.
*Dibrell, James D., Sr., M.D	Arkansas	1884
*Du Val, E. R., M.D ..	"	1880
Keller, James M., M. D.....	"	1883
*Lawrence, William, M. D.....	"	1885
Thompson, William, M. D.....	"	1881
Welch, William B., M. D.....	"	1881

*Deceased.

ALUMNI OF THE LAW SCHOOL OF THE UNIVERSITY OF ARKANSAS.

NAME	YEAR	OCCUPATION	ADDRESS
Allnut, Richard Robinson.	1903	Lawyer.	Little Rock
Andreck, W. H.	1894	Lawyer.	Little Rock
Andrews, C. B.	1899	Lawyer.	Prescott
Armistead, Henry M.	1895	Lawyer; firm of Oldham & Armistead.	Little Rock
Bernhardt, J.	1896	Lawyer.	Dumas
Black, John W.	1894	Lawyer.	So. McAlester, I. T.
Bradshaw, De Emmett.	1894	Lawyer; firm of Bradshaw & Helm.	Little Rock
Bratton, Ulysses S.	1897	Assistant United States District Attorney.	Little Rock
Brooks, W. B.	1901	Lawyer.	Little Rock
Brown, W. Sprig.	1894	Lawyer.	Little Rock
Burns, Charles T.	1898	Lawyer.	Poplar Bluff, Mo.
Campbell, Roy D.	1895	Lawyer.	Black Rock
Carmichael, John C.	1894	Lawyer; firm of Campbell & Stevenson.	Little Rock
Clayton, John M.	1903	Lawyer; Dean of Law Department, University of Ark.	Little Rock
Clayton, Powell.	1900	Lawyer.	California
Cotham, C. T.	1901	Lawyer.	Little Rock
DeBerry, P. T.	1901	Lawyer; firm of Wells, Williams & Cotham.	Monticello
Dickinson, Thomas Tillar.	1899	Lawyer.	Paris
Dodge, Frank Hutton.	1902	Lawyer.	Little Rock
Dunaway, Julian J.	1902	Lawyer.	Little Rock
Duty, Mike K.	1896	Lawyer.	Little Rock
Evans, W. H.	1891	Lawyer.	Little Rock
Fraser, Garner.	1899	Lawyer; County and Probate Judge, Saline County.	Pennsboro, W. Va.
Frierson, Gordon.	1903	Lawyer.	Benton
Frierson, Charles D.	1896	Lawyer.	Clinton
Gallaher, James A.	1900	Lawyer.	Jonesboro
Gulley, L. C.	1898	Lawyer.	Jonesboro
Guthrie, Eugene P.	1898	Life Insurance Agent.	Paris
Harrison, W. F.	1900	Lawyer; firm of Driver & Harrison.	Little Rock
Haskell, Norman P.	1903	Lawyer.	Little Rock
Henderson, George DeMatt.	1903	Lawyer.	Little Rock
Hendricks, George Walter.	1902	With Office of Secretary of State.	Osceola
Helm, T. E.	1900	Lawyer; firm of Bradshaw & Helm.	Muscookee, I. T.
Herring, Byron Leonidas.	1902	Lawyer.	Little Rock
Hill, Samuel B.	1898	Lawyer; firm of Hill & Poe.	Warren
Holder, Fred Ellensworth.	1903	With Rock Island Railway Co.	Danville
Huddleston, Mike P.	1897	Lawyer; firm of Johnson & Huddleston.	Little Rock
Jeffers, S. L.	1899	First Lieutenant, United States Army.	Paragould

NAME	YEAR	OCCUPATION	ADDRESS
Johnson, Robert Ward	1903	With Union Trust Co.	Little Rock
Kempner, Abe J.	1899	Lawyer.	Little Rock
Kerby, John Price.	1899	Lawyer.	Lonoke
Kirten, William.	1897	Lawyer.	Lake Village
Klein, Adolph C.	1897	Lawyer; firm of McClintock & Langford.	Omaha, Neb.
Lankford, Eugene.	1895	Lawyer.	DeValls' Bluff
Lewis, John Jackson.	1903	Lawyer; firm of Murphy, Mehaffy & Lewis.	Pocahontas
Lewis, William.	1899	With G. L. Meyers & Co.	Little Rock
Lindsey, Edwin William.	1902	Lawyer; firm of Cantrell & Loughborough.	Little Rock
Loughborough, J. Fairfax.	1894	Lawyer.	Little Rock
Lynn, Roscoe R.	1900	Lawyer; firm of Poole & McKnight.	Little Rock
McKnight, J. S.	1900	Lawyer.	Hampton
Maloney, Lawrence C.	1894	Lawyer.	Little Rock
Martineau, John E.	1899	Lawyer; firm of Robertson & Martineau.	Little Rock
Martin, Robert.	1903	Lawyer.	Little Rock
McDairmid, George C.	1895	Lawyer.	Dallas, Texas
McRea, Charles C.	1896	Post-graduate work, Columbia University.	New York City
Moore, John Merrick.	1902	Lawyer.	Little Rock
Morris, Creslie D.	1903	Lawyer.	Lockesburg
Nichols, W. F.	1901	Lawyer.	Paris
Norfleet, T. B.	1901	Lawyer; firm of Pettit & Pettit.	Stuttgart
Pettit, Clide Ernest.	1902	Lawyer; firm of Pindall & Pindall.	Dumas
Pindall, E. S.	1896	Lawyer.	Arkansas City
Pindall, X. O.	1896	Lawyer.	St. Louis, Mo.
Polk, Charles M.	1898	With C. O. & G. R. R.	Little Rock
Polk, R. W.	1894	With St. L. I. M. & S. Ry. Co.	Little Rock
Powers, R. C.	1898	Banker.	Little Rock
Reyburn, Samuel W.	1894	Lawyer.	Little Rock
Rhoton, Lewis.	1894	Lawyer; firm of Robertson & Martineau.	Little Rock
Robertson, T. N.	1898	Lawyer.	Little Rock
Rose, Milton.	1899	Lawyer.	Little Rock
Rushing, Frank W.	1901	Lawyer.	Eufala, I. T.
Samuel, David B.	1895	Lawyer.	Little Rock
Shackleford, John D.	1894	Lawyer; firm of Shackleford & Shackleford.	Waldron
Stanford, Theodore W.	1891	Lawyer; firm of Campbell & Stevenson.	Little Rock
Stevenson, James H.	1897	Lawyer, Peoples Security Co.	Little Rock
Smith, Clay E.	1903	Lawyer.	Little Rock
Terry, David Dickson.	1903	Merchant.	Little Rock
Touhey, John H.	1895	Lawyer.	Little Rock
Tucker, D. Everett.	1903	Lawyer.	Little Rock

NAME	YEAR	OCCUPATION	ADDRESS
Vaughan, George.....	1898	Lawyer.....	Little Rock
Venable, J. H.....	1901	Lawyer.....	Camden
Walker, Thomas J.....	1897	Hospital Steward, United States Army.....	Little Rock
Watkins, Charles L.....	1903	With Board of World's Fair Commissioners.....	Little Rock
Westbrook, Henry S.....	1897	Postmaster.....	Benton
Weich, Albert F.....	1903	Lawyer.....	Morrilton
Williams, Ernest Edward.....	1902	Lawyer.....	Grayville, Ill.
Wills, J. F.....	1903	Official Court Stenographer, Fifth Judicial Circuit.....	Morrilton
Wooten, June Price.....	1902	Lawyer.....	Little Rock

ALUMNI ASSOCIATION OF THE UNIVERSITY OF ARKANSAS LAW SCHOOL.

The object of this association is to perpetuate a bond of union among its members, to encourage a spirit of friendship, and to promote the interest of the law department and its alumni.

The association meets in Little Rock for the election of officers and other business on the day of the annual banquet which is held during the commencement of the law department in June.

ALPHABETICAL LIST OF OFFICERS AND STUDENTS OF THE DEPARTMENTS AT FAYETTEVILLE.

Abbreviations.—*Adj. Prof.*, Adjunct Professor; *Assoc. Prof.*, Associate Professor; *C.*, Conservatory of Music and Arts; *Fr.*, Freshman; *G.*, Graduate; *Instr.*, Instructor; *Jr.*, Junior; *1 P.*, First Year Preparatory; *2 P.*, Second Year Preparatory; *Prof.*, Professor; *S. C.*, Short Course in Engineering; *So.*, Sophomore; *Sp.*, Special; *Sr.*, Senior; *Un.*, Unclassified. For list of students by classes, see pages 181-207; for officers, see pages 18 to 26.

Abercrombie, Bertha, <i>Sr.</i>	Barry, Lucile L., <i>Sp.</i>	Blair, D. B., <i>So.</i>
Abercrombie, Clara D., 2 P.	Barton, D. E., 2 P.	Blair, Lelia J., <i>So.</i>
Abercrombie, E., 2 P.	Barton, Maude L., <i>Fr.</i>	Blakemore, T. L., <i>Fr.</i>
Atkins, J. W., <i>So.</i>	Baum, E. J., 2 P.	Blasingame, Virgil E., 2 P.
Alexander, Mary E., 1 P.	Beane, Ada L., <i>So.</i>	Block, David, <i>Sp.</i>
Allbright, Ella, <i>So.</i>	Beard, A. H., <i>Sr.</i>	Block, S. M., 2 P.
Allen, Estes, 2 P.	Beasley, W. H., <i>Fr.</i>	Bloom, J. R., <i>G., Instr.</i>
Allen, Joe C., 2 P.	Beckett, C. M., <i>Fr.</i>	Boazman, A. W., <i>S. C.</i>
Alston, Roy, 1 P.	Beckett, I. F., <i>Fr.</i>	Boggs, J. F., 2 P.
Anderson, Mary H., 1 P.	Belknap, Beatrice V., 2 P.	Bohart, A. G. T., <i>Sp.</i>
Andrix, Annie, 1 P.	Belknap, J. R., <i>S. C.</i>	Boles, C. B., 1 P.
Andrix, E. R., <i>Jr.</i>	Bell, C. K., 1 P.	Boles, E. C., <i>Fr.</i>
Austin, R. L., <i>Jr.</i>	Bell, J. W., 2 P.	Bolinger, W. A., <i>So.</i>
Babb, Walter, 1 P.	Bennett, Ora L., 2 P.	Booth, D., 1 P.
Baird, Cordelia, <i>Instr.</i>	Benson, F. P., <i>So.</i>	Borders, J. M., <i>Jr.</i>
Baker, E. M., 2 P.	Bernard, H., 1 P.	Bost, Edna E., 1 P.
Baker, F. G., 2 P.	Bernard, J., 2 P.	Bowen, A. W., 2 P.
Baker, G. C., <i>So.</i>	Berry, F. H., <i>Sp.</i>	Bowers, E. J., 1 P.
Baker, H., 1 P.	Bettis, A. B., 2 P.	Bracken, J. C., 1 P.
Baker, Myrtle, 2 P.	Bird, E. V., <i>Fr.</i>	Brashears, G. B., 1 P.
Balch, C. P., <i>So.</i>	Bishop, J. M., <i>S. C.</i>	Breckenridge, G. T., <i>Trustee.</i>
Ballard, B. C., <i>Jr.</i>	Bixler, Pearl E., <i>Fr.</i>	Brockman, E. W., <i>Jr.</i>
Ballard, J. M., <i>So.</i>	Black, C. N., <i>Jr.</i>	Brodersen, Genevieve C., <i>Instr.</i>
Ballard, Lydia, 2 P.	Black, Kate E., 1 P.	Brough, C. H., <i>Prof.</i>
Ballard, R. C., 2 P.	Black, R. L., 1 P.	Brough, Ruth, <i>Fr.</i>
Barr, Frank, <i>Band Ldr.</i>	Blackford, O. C., 1 P.	Brown, Ellen E., 2 P.
Barrett, F. B., <i>Jr.</i>	Blackshire, P. L., <i>Jr.</i>	Brown, Ethel, 1 P.
Barrett, Lou E., <i>Fr.</i>	Blackshire, R. J., 2 P.	
Barrett, R., <i>So.</i>	Blackwood, J. Q., 2 P.	

- Brown, R. V., 1 *P.*
 Brownfield, Mattie, *Sp.*
 Brownson, Sarah E., 1 *P.*
 Bruce, Maud, 1 *P.*
 Brunsog, C. W., *Fr.*
 Brunson, T. R., *Fr.*
 Bryan, G. A., 2 *P.*
 Bryan, Lyle, *Un.*
 Bryan, Zella, *C.*
 Bryant, R. B., *S. C.*
 Bryant, W. C., *So.*
 Buck, W. R. W., 2 *P.*
 Buckelew, Ira L., 1 *P.*
 Buford, C. H., *Fr.*
 Bumpass, E. K., *Fr.*
 Burkett, J. R., 1 *P.*
 Burrows, C. M., *Sp.*
 Burton, M., *S. C.*
 Byrne, L. R., *S. C.*
 Byrnes, B., 2 *P.*
 Cabe, R. L., *Fr.*
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 Campbell, Madge, 2 *P.*
 Campbell, S. J., 1 *P.*
 Campbell, W. G., 2 *P.*
 Cannon, R., 1 *P.*
 Cantrell, H. C., *So.*
 Carden, C., 2 *P.*
 Carothers, W. M., 2 *P.*
 Carpenter, S., *So.*
 Carr, Bessie, 1 *P.*
 Carr, J. W., *Prof.*
 Carr, P. F., 1 *P.*
 Carr, W. B., *Sr.*
 Carter, Bessie, 1 *P.*
 Carter, E. L., *Sr.*
 Carter, H. R., *So.*
 Carter, Nama, 2 *P.*
 Carter, Noah, D., 2 *P.*
 Catching, G. J., 2 *P.*
 Catts, E. C., *So.*
 Cazort, T. J., *Fr.*
 Cecil, Bessie E., 1 *P.*
 Cecil, Emma, 2 *P.*
 Cecil, Ode W., 1 *P.*
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 Chapman, J., *Sr.*
 Chapman, Mabel E.,
 1 *P.*
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 Chunn, G. D., *Fr.*
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 Coker, A., *So.*
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 Cole, Emma W., *Instr.*
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 Cook, R. W., 2 *P.*
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 Davis, T. W., 2 *P.*
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 Dunn, R. K., *Fr.*
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 Elkins, C. C., *Fr.*
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 Fesperman, W. J., 2 P.
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 Finley, W., 1 P.
 Fletcher, B. F., 1 P.
 Folks, A. J., 1 P.
 Ford, Bessie, *Fr.*
 Ford, D. L., *Fr.*
 Ford, Reth, 2 P.
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 Freeman, J., 1 P.
 Freeman, W. A., *Fr.*
 Friedell, D. J., *Fr.*
 Fuhman, W. S., *Fr.*
 Fuller, L. R., 1 P.
 Futrall, E. B., 2 P.
 Futrall, J. C., *Prof.*
 Gallaway, M. B., C.
 Gardner, J. W., *Fr.*
 Gean, H., *Fr.*
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 Gibson, R. C., *Fr.*
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 Glover, W. H., *Fr.*
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 Gray, J. H., 1 P.
 Gray, Stella H., *Sp.*
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 Green, T. A., 1 P.
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 Gregg, L. H., 1 P.
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 Gwynn, J. A., 1 P.
 Haley, Fanny R., 1 P.
 Haley, M. I., 1 P.
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 Hall, H. C., 2 P.
 Hall, Julian, 1 P.
 Hall, M. Z., 1 P.
 Hall, S. L., 1 P.
 Hallman, K. E., 1 P.
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 Hamilton, W. M., 2 P.
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 Harding, V. A., *So.*
 Harding, W. A., *Instr.*
 Harmon, Eva, 2 P.
 Harmon, Lena E., *Fr.*
 Harper, F. M., 2 P.
 Harris, J. S., *Fr.*
 Harris, M. E., 1 P.
 Hartzog, H. S., *President*
 Harvey, Annette, *Sp.*
 Harvey, Ben, *Fr.*
 Haskell, Frances, 1 P.
 Haskell, Lucile, *Fr.*
 Hathcoat, M. A., *Fr.*
 Hayes, C. H., *Fr.*
 Hayley, G., 1 P.
 Henbest, Margaret D.,
 1 P.
 Henderson, Jai R., S. C.
 Hickman, Chester, *Un.*
 Hicks, O. E., S. C.
 Hight, W. C., *Fr.*
 Hillman, C. C., *So.*
 Hodge, Zaidee, 1 P.
 Holcomb, J. L., *Fr.*
 Holcomb, W. H., 2 P.
 Holland, W. C., *Fr.*
 Holt, J. S., *So.*
 Holtzclaw, H. H., 2 P.
 Hooper, E. K., S. C.
 Hooper, Laura C., 1 P.
 Hooper, Lillian G., C.
 Hooper, V. A., *Instr.*
 Hopson, E. E., *Fr.*
 House, J. W., *So.*
 Houston, Leda, *Fr.*
 Huddleston, J. L. C., *Fr.*
 Hudgins, Bess M., *Sp.*
 Hudgins, J. G., *Sr.*
 Huffman, Annie V., 1 P.
 Huggins, J. E., 2 P.
 Hughes, J. J., 2 P.
 Hughes, Lucile C., *So.*
 Hughes, T. L., 1 P.
 Hughes, Verda, 1 P.
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 Hunter, J. M., 1 P.
 Huntley, P., 1 P.
 Hurst, Anna A., 1 P.
 Hurst, G. A., *Fr.*
 Hurst, J. H., S. C.
 Hurt, G., *Fr.*
 Hutchinson, F. M., *So.*
 Hutton, M. C., 2 P.
 Huxtable, W. G., 2 P.
 Hyatt, R. L., *So.*
 Ingersoll, W. H., *Fr.*
 Ingle, J. C., *Fr.*
 Ingram, C., *So.*
 Irby, A. S., *Sr.*
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 Jackson, B. O., *Sr.*
 Jackson, J. A., *Fr.*
 Jackson, Z. P., *Fr.*
 James, C. R., 2 P.
 James, E. A., 1 P.
 James, J. J., *Sr.*
 James, R. E., 2 P.
 Janes, J. I., 2 P.

- Jarman, S. Gertrude, 1 P.
 Jarrell, F., 1 P.
 Jefferies, A. J., *Fr.*
 Jefferies, S. S., *Sr.*
 Jeffery, Irene R., 1 P.
 Jennings, D. R., *Fr.*
 Jett, W. A., *Fr.*
 Johnson, A. J., *So.*
 Johnson, B. L., 1 P.
 Johnson, C., 1 P.
 Johnson, D. E., *Fr.*
 Johnson, Lucy E., *C.*
 Johnson, Maybelle C., *Sp.*
 Johnson, W. H., *Fr.*
 Johnson, W. S., *Prof.*
 Johnston, J. H., *Fr.*
 Johnston, S. J., 2 P.
 Jones, A. M., *Fr.*
 Jones, Bertha E., *C.*
 Jones, C. W., *Sr.*
 Jones, Maud, *C.*
 Jones, R. R., *S. C.*
 Jordan, Edna G., *So.*
 Jordan, E. A., *So.*
 Jordan, Flossie, 2 P.
 Jordan, Grace, *Sr.*
 Jordan, J. K., 2 P.
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 Keeney, Augusta, R. C.
 Keeney, J., 1 P.
 Keeney, Marie, 2 P.
 Keith, E. T., 2 P.
 Keller, I., *Fr.*
 Kennedy, Lillian R., 2 P.
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 Keys, C. T., 1 P.
 Kimball, F., *Fr.*
 King, B., *Fr.*
 King, F., 1 P.
 Kitchens, B. M., *Sr.*
 Kitchens, G. T., 2 P.
 Kitchens, H., 1 P.
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 Leverett, Storer, *Sp.*
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 Lewis, H. V., 1 P.
 Lewis, J. A., 1 P.
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 Lindsey, E. M., 2 P.
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 Little, W., 1 P.
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 Lueker, T. F., 1 P.
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 May, R. C., 1 P.
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 McCartney, Mary I., 1 P.
 McCarty, R. L., 1 P.
 McClendon, L., 1 P.
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 McCloud, W. D., *S. C.*
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 McCoy, Helen, 1 P.
 McCoy, Myrtle, 2 P.
 McCrory, G. G., *Fr.*
 McCrory, Rose, 2 P.
 McCulloch, D., *So.*
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 McDonald, J. W., 2 P.
 McGehee, Ben, *Sr.*
 McGraw, G. D., *Fr.*
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 McGregor, Jessie E., 1 P.
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 McKean, D. F., *Sp.*
 McKinlay, J. M. C., *Fr.*
 McKinlay, P. G., 2 P.
 McKnight, D. A., 2 P.
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 McMillan, Eula, 1 P.
 McMillan, F. L., *Fr.*
 McNiel, R. A., 2 P.

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 McSwyne, Frances, *Instr.*
 McWilliams, H., 2 *P.*
 Means, C. S., 2 *P.*
 Meek, R. S., *Fr.*
 Mellor, J. L., *Fr.*
 Melton, C. L., *Sp.*
 Mesler, R. D., *Sr.*
 Milford, C. G., 1 *P.*
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 Miller, Otey, *Treasurer*
 Milligan, Ruby, 1 *P.*
 Miser, H. D., *Fr.*
 Miser, W. L., *Fr.*
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 Mitchell, Ara E., 2 *P.*
 Mitchell, B., *Fr.*
 Mitchell, J. C., *Trustee*
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 Mitchell, N. D., *So.*
 Mitchell, Owen C., *Fr.*
 Mitchell, Sibyl A., *Sp.*
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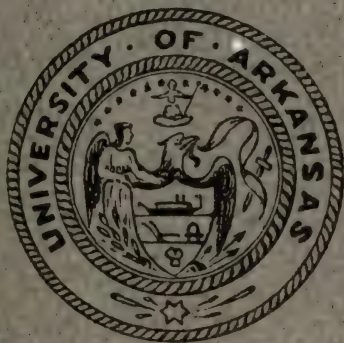




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1905-1906

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1906

JANUARY

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
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JULY

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FEBRUARY

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AUGUST

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OCTOBER

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NOVEMBER

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DECEMBER

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1907

JANUARY

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FEBRUARY

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MARCH

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17	18	19	20	21	22	23
²⁴ / ₃₁	25	26	27	28	29	30

APRIL

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
-	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	-	-	-	-

MAY

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
-	-	-	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	-

JUNE

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
-	-	-	-	-	-	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
²³ / ₃₀	24	25	26	27	28	29

Calendar, 1906-1907

1906

- SEPT. 19. *Academic Year* Begins in all Departments at Fayetteville—Wednesday.
- SEPT. 19-22. Examinations for Admission to B. A., B. S., Engineering, Normal, and Preparatory Courses—Wednesday to Saturday.
- SEPT. 24. Fall Term Begins in the Law School, Little Rock—Monday.
- OCT. 15. Regular Session Begins in the Medical School, Little Rock—Monday.

1907

- JAN. 19. Fall Term of Law School Ends—Saturday.
- JAN. 21. Spring Term of Law School Begins—Monday.
- JAN. 26. Mid-Year Examinations Begin in the Departments at Fayetteville—Saturday.
- FEB. 2. First Term Ends in all Departments at Fayetteville—Saturday.
- FEB. 4. Second Term Begins in all Departments at Fayetteville—Monday.
- FEB. 22. Washington's Birthday—Friday.
- MCH. 27. Thirty-sixth Anniversary of the Foundation of the University of Arkansas—Wednesday.
- APR. 13. Regular Session Ends in the Medical School, Little Rock—Saturday.
- MAY 1. Last Day for Receiving Essays for the William Jennings Bryan Prize—Wednesday.
- MAY 30. Memorial Day—a Holiday—Thursday.
- JUNE 1. Final Examinations Begin in the Departments at Fayetteville—Saturday.
- JUNE 1. Spring Term of Law School Ends—Saturday.
- JUNE 3. Memorial Day—a Holiday—Monday.
- JUNE 9. Baccalaureate Sermon, U. of A. Chapel—Sunday.
- JUNE 12. *Commencement*—Wednesday.

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Origin

The University of Arkansas owes its origin to an act of congress, approved July 2, 1862, providing that public lands should be granted to the several states, to the amount of "30,000 acres for each senator and representative in congress," from the sale of which there should be established a perpetual fund, "the interest of which shall be inviolably appropriated by each state, which may take and claim the benefit of this act, to the endowment, support, and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislatures of the states may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life." The act forbids the use of any portion of the aforesaid fund, or of the interest thereon, for the purchase, erection, or maintenance of any building or buildings. The states accepting the provisions of the act are required to provide for the construction and maintenance of the necessary buildings, and for the expenses of administration in carrying out the purposes of the act.

The general assembly of the state of Arkansas accepted the national law by passing an act, approved March 27, 1871, which provided for the location, organization and maintenance of the University of Arkansas, and which allowed the several counties of the state to compete until a certain time for the location of the University by making public or private donations of bonds, moneys, or lands. Several individuals and communities made bids: Washington, the only county that competed, voted \$100,000. Fayetteville, Washington County, voted \$30,000 in addition, and was selected as the seat of the University. The institution was opened January 22, 1872.

Under an act of congress, approved March 2, 1887, the University receives \$15,000 annually for the maintenance of the experiment station, "to aid in acquiring and diffusing among the people useful and practical information on subjects connected with agriculture, and to promote scientific investigation and experiment respecting the principles and applications of agricultural science."

Under an act of congress, approved August 30, 1890, the University receives \$25,000 annually, "to be applied only to instruction in agriculture, the mechanic arts, the English language, and the various branches of mathematical, physical, natural and economic science, with special reference to their application to the industries of life."

Purpose

The University is at the head of the public educational system of the state of Arkansas. It seeks to foster the higher educational interests of the state, broadly and generously interpreted, and to make provision for the demands of advanced scholarship in as many lines as its means will permit. It is the aim of its faculty and board of trustees, from year to year, to bring it into still closer articulation with the public schools of the state, and in connection with them to afford to all the youth of either sex ample facilities for liberal education in literature and science, and technical education in the industrial arts and professional studies.

Through the aid received from the United States and from the state of Arkansas, the University is enabled to offer to its students free tuition, except in the studies of law, medicine, music, and art, and to open wide her doors to all seekers of learning.

Location

Five of the eight divisions of the University, viz.: the College of Liberal Arts, Sciences and Engineering, the Preparatory School, the Conservatory of Music and Arts, the College of Agriculture, and the Agricultural Experiment Station, are located at Fayetteville, Washington County, Arkansas. Situated in the heart of the Ozark Mountains, it is more than 1,500 feet above the sea level. The location is thought to be unsurpassed in salubrity of climate, in beauty of surrounding scenery, in variety and perfection of agricultural and horticultural productions, and in the morality and intelligence of its people.

Students may reach Fayetteville from both the north and the south by the Texas branch of the St. Louis & San Francisco Railroad, which has three trains daily each way, and various connections with other roads, both north and south. From the west students may reach Fayetteville by the Ozark & Cherokee Central Railroad.

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Professor of Ancient Languages.

Student, University of Arkansas, 1888-1890; B. A. and M. A., University of Virginia, 1894; graduate student of classical philology, Universities of Bonn and Halle, 1899-1900; studied and traveled in Italy and Greece, 1900; member of the Archaeological Institute of America; vice-president for Arkansas of the Classical Association of the Middle West and South; present position since 1894.

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Professor of Mathematics and Astronomy.

A. B., University of Arkansas, 1880; A. M., University of Arkansas, 1884; assistant in the Preparatory School, University of Arkansas, 1880-1884; Professor of English, Coronal Institute, San Marcos, Texas, 1885; Principal, Public School, Bentonville, Arkansas, 1886; assistant in the Preparatory School, University of Arkansas, 1887-1891; Adjunct Professor of Mathematics, University of Arkansas, 1892-1893; Associate Professor of Mathematics, University of Arkansas, 1894-1896; graduate student several short terms in Johns Hopkins University, and the University of Chicago; present position since 1897.

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Professor of Civil Engineering.

B. S., Grove City College, 1886; Instructor in German and Mathematics, Grove City College, 1886-1888; M. S., Grove City College, 1889; C. E., Cornell University, 1892; practical work, 1892-1893; Adjunct Professor of Civil Engineering, University of Arkansas, 1893-1894; Associate Professor of Civil Engineering, University of Arkansas, 1894-1896; present position since 1896; member of the Society for the Promotion of Engineering Education; associate member, American Society of Civil Engineers.

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B. M. E., Iowa State College, 1888; Construction Engineer and Expert, Thomson-Houston Electric Co., 1888-1891; Draughtsman and Engineer on World's Fair Work for Westinghouse Electric and Manufacturing Co., 1891-1892; Assistant Professor of Electrical Engineering, Ohio State University, 1892-1893; with Westinghouse Electric and Manufacturing Co., 1893-1894; Associate Professor of Electrical Engineering, University of Arkansas, 1894-1897; M. S. E. E., 1896; Ph. D., 1898; Professor of Electrical Engineering, University of Arkansas, 1897-1904; present position since 1904; member of the American Institute of Electrical Engineers; member of the Society for the Promotion of Engineering Education.

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Professor of Biology.

A. B., Furman University, 1886; M. S., University of South Carolina, 1890; M. Sc., University of Chicago, 1899; Teacher in Public School, 1886-1888; Instructor in Biology, and Bacteriologist of Experiment Station in University of South Carolina, 1889-1891; Professor of Natural Science in A. & M. College of Florida, 1891-1892; graduate student, Johns Hopkins University, 1892-1894; Professor of Greek and German, Mississippi College, 1895-1897; graduate student, University of Chicago, 1897-1899; present position since 1899.

ERNEST WALKER, B. S. A.....524 Leverett St.

Professor of Horticulture.

B. S. A., Cornell University, 1897; Instructor in Horticulture, Cornell University, 1897; Assistant Professor of Horticulture, Clemson College, and Entomologist and Assistant Horticulturist of the South Carolina Experiment Station, 1897-1898; Professor of Entomology, Clemson College, and Entomologist of the South Carolina Experiment Station, 1898-1900; present position since 1900; State Entomologist since 1903; member of the Society for Horticultural Science, and Association for the Promotion of Science; Secretary of the State Horticultural Society since 1900; State Vice-President of the American Pomological Society.

JOSEPH WILLIAM CARR, A. M., Ph. D. .353 Highland Ave.

Professor of English and Modern Languages.

A. B., Harvard University, 1893; A. M., Harvard University, 1895; English and Classical Master, St. Bartholomew's School, Morristown, New Jersey, 1894-1897; graduate student of Germanic and Romance Philology, University of Leipzig, 1897-1899; Ph. D., University of Leipzig, 1899; Instructor in German, Harvard University and Radcliffe College, 1899-1900; acting head of the German Department, West Virginia University, 1900-1901; Associate Professor of English and Modern Languages, University of Arkansas, 1901-1902; present position since 1902; member of the Modern Language Association of America, and the Goethe-Gesellschaft in Weimar, Germany; state secretary of the American Dialect Society.

WILLIAM SMYTHE JOHNSON, Ph. D. .346 Arkansas Ave.

Professor of Philosophy and Pedagogy.

A. B., Ouachita Baptist College, 1890; Instructor in Mathematics, Ouachita Baptist College, 1890-1892; President of Mountain Home Baptist College, 1892-1896; graduate student, Yale University, 1896-1899; Ph. D., Yale University, 1899; Lecturer in Psychology, Yale University, 1899-1900; Professor of Psychology and Pedagogy, Louisiana State Normal College, 1900-1902; present position since 1902.

JOHN HUGH REYNOLDS, A. M. 814 W. Maple St.

Professor of History and Political Science.

A. B., Hendrix College, 1893; A. M., University of Chicago, 1897; Principal, High School, and County Examiner, Rover, 1893-1896; Vice-President, and Professor of History and Political Science, Hendrix College, 1897-1902; Secretary, Arkansas Historical Association; Arkansas Member of Public Archives Commission of American Historical Association; Secretary, Arkansas History Commission; Author, *Makers of Arkansas History*.

BURTON NEILL WILSON, B. Sc. M. E. . . . 241 N. College Ave.

Professor of Mechanical Engineering.

B. Sc. M. E., Georgia School of Technology, 1896; studied at the University of Michigan, 1903; Instructor in Mechanical Engineering, University of Arkansas, 1896-1899; Adjunct Professor of Mechanical Engineering, and Superintendent of Buildings and Grounds, 1899-1902; present position since 1902; member, American Society of Mechanical Engineers.

CHARLES HILLMAN BROUGH, A. M., LL. B., Ph. D.,

346 Arkansas Ave.

Professor of Economics and Sociology.

A. B. Mississippi College, 1894; A. M., Mississippi College, 1899; Fellow in Political Economy, Johns Hopkins University, 1897-1898; Ph. D., Johns Hopkins University, 1898; LL. B., University of Mississippi, 1902; Professor of Philosophy, History and Economics, Mississippi College, 1898-1901; Professor of Economics and History, Hillman College, 1902-1903; present position since 1903; member of American Economic and Historical Associations; First Vice-President, Arkansas State Historical Society.

ROBERT BOYD POWERS (West Point), Captain, Seventh
Cavalry, U. S. A., Washington Hotel.

Professor of Military Science and Tactics.

Graduate of West Point, 1896; commissioned officer since 1896; present position since January 31, 1905.

CHARLES GEIGER CARROLL, A. M., Ph. D.,

Professor of Chemistry.

224 W. Dickson St.

A. B., Southwestern University, 1896; A. M., *ibid.*, 1897; Ph. D., Johns Hopkins University, 1904; Professor of Chemistry, Southwestern University, 1900-1904; present position since September, 1905.

EDGAR FINLEY SHANNON, A. B. 15 N. Duncan Ave.

Associate Professor of English and Modern Languages.

A. B., Central University of Kentucky, 1893; Principal of Princeton, Arkansas, Public Schools, 1893-1894; Associate Professor of Ancient Languages, University of Arkansas, 1895-1902; student at the summer sessions of Harvard University, 1902, 1903, 1904; present position since 1902; member of the Modern Language Association of America.

BOLLING JAMES DUNN, A. M. 129 E. Dickson St.

Associate Professor of Mathematics.

A. B., Bethel College, 1871; A. M., Bethel College, 1874; Principal of Arkadelphia Baptist High School, 1877-1886; Professor of Mathematics, Ouachita Baptist College, 1886-1894; Principal of the Preparatory School, University of Arkansas, 1894-1898; present position since 1898.

ALVIN ARTHUR STEEL, B. Sc. in C. E., E. M.,
308 St. Charles St.

Associate Professor of Geology and Mining.

B. S. in C. E., University of Nebraska, 1899; E. M., Columbia University in the City of New York, 1900; Assistant in Chemistry, University of Nebraska, 1898-1899; with Omaha and Grant Smelter, 1898; Assistant Engineer, B. & M. R. R., 1899; Practicing and Consulting Engineer, with Fernando Mining Co., San Fernando, Durango, Mexico; the Greene Consolidated Copper Co., La Cananea, Sonora, Mexico; the Pacific Consolidated Copper Co., Pyramid, Nevada; and the Engineering Co., of America, in several parts of the United States and Mexico, 1900-1904; Assistant Engineer of Briquetting Experiments, U. S. G. S. Coal Testing Plant, Louisiana Purchase Exposition, 1904; present position since 1905.

HUGH ELLIS MORROW, B. S. A. 305 Lafayette Ave.
Adjunct Professor of Chemistry.

B. S. A., University of Arkansas, 1904; present position since 1904.

HEINRICH SCHAPPER, E. E., B. S. S. Hill St.
Adjunct Professor of Electrical Engineering and Physics.

E. E., Karlsruhe, 1903; B. S. (Physics), Massachusetts Institute of Technology, 1904; present position since 1904.

ANTONIO MARINONI, A. M. 224 W. Dickson St.
Adjunct Professor of Romance Languages.

A. B., Regio Liceo, Desenzano (Italy), 1898; graduate student, University of Padua, 1899-1900, and Yale University, 1902-1904; A. M. *ibid.*, 1904; Lecturer in the Romance Languages and Literatures, Columbia University in the City of New York, 1904-1905; Adjunct Professor of Romance Languages, University of Arkansas, since 1905; member, Modern Language Association of America.

BRAINARD MITCHELL, JR.,
Adjunct Professor of Mechanical Engineering.

Senior, University of Arkansas, 1905-1906; present position since 1905.

VIRGIL PROCTOR KNOTT, B. C. E. 402 N. College Ave.
Instructor in Civil Engineering.

B. C. E., University of Arkansas, 1904; present position since 1904.

ESTELLE McMILLAN BLAKE. 616 Ida Ave.
Instructor in English and Modern Languages.

Graduate of the Houston Normal Institute, 1887; teacher of English, Ouachita Baptist College, 1887-1903; teacher of English, West End Conservatory, New York City, New York, 1903-1904; present position since 1905; member, Mod. Lang. Assoc. of America, and Amer. Dialect Soc.

ELLIS BLAINE CRITZER. 346 Arkansas Ave.
Instructor in Mechanical Engineering.

Student, Miller Manual Training School, 1892-1899; Instructor in the same institution, 1899-1905; practical training in Richmond, Va., and Philadelphia, Pa.; present position since 1905.

REV. ARCHIBALD LEE HARVEY, B. A. Oriental Hotel.

Instructor in English and Modern Languages.

B. A., University of Toronto, Canada, 1899; student of theology, Knox College (Presbyterian), Toronto, 1899-1902; graduate in theology, Knox College, 1902; Licentiate, 1902; graduate student, University of Toronto, 1902-1905; Instructor in English and Modern Languages in the University of Arkansas since 1905.

LEE SEDWICK OLNEY, B. E. E. 820 W. Maple St.

Assistant in Electrical Engineering.

B. E. E., University of Arkansas, 1905; present position since 1905.

AUGUSTA NELKEN 616 Ida Ave.

Training Teacher in the University Normal Department.

Graduate of the Southern Academic Institute, 1894; Louisiana State Normal College, 1896; graduate student, University of Chicago, 1900-1901; Training Teacher, Louisiana State Normal College, 1901-1905; present position since 1905.

JOHN GRISSOM,

Engineer.

Equipment of the University at Fayetteville

UNIVERSITY HALL.

This is a brick structure with cut stone trimmings and a stone foundation. It is four stories in height above the basement. It consists of a front building, two hundred and fourteen feet in length, and two wings, each one hundred and twenty-four feet in depth, the whole forming three sides of a quadrangle. This building contains a large number of class rooms, chapel, departmental libraries of mathematics, and English and modern languages, general library and collegiate study hall, separate study halls for the boys and girls of the Preparatory School armory, magazine, band room, laboratories for biology, geology and mining engineering, music and art rooms, president's and commandant's offices, natural history museum, literary society halls, toilet rooms, etc., in all, seventy rooms, together with broad corridors and stairways. The building is heated by steam, lighted by electricity, and supplied with water from the city waterworks.

ENGINEERING HALL.

Engineering Hall is located on the main driveway, just south of University Hall. It accommodates the departments of electrical, civil, and mechanical engineering, with offices, lecture rooms, and laboratories. It is built of native sandstone and pressed brick, with limestone trimmings.

The building is one hundred and fifty by fifty-eight feet, four inches, three stories high, and contains thirty-two rooms, aggregating about 26,000 square feet of floor space. A corridor divides the building from east to west and is intersected at the middle by another hallway from the front of the building, thus giving easy access to any room.

In addition to the laboratories, offices, lecture rooms, and draughting rooms of departments of engineering, there is an assembly room on the first floor for the accommodation of the engineering societies, and other gatherings too large to be accommodated in a lecture room.

The library and reading room contains engineering magazines, journals, and technical works on engineering.

MECHANICAL HALL.

Mechanical Hall was built to take the place of the building consumed by fire on October 20, 1902. It is of brick, forty feet wide and one hundred and fifty-five feet in length, with an ell thirty-five by forty feet, and contains the machine shop, wood shop, foundry, and forge shop. The shops will accommodate about seventy-five students at one time. Adjoining on the east is a boiler room fifty-three by fifty-four feet, containing three fire tube boilers of seventy horse-power each, and one water tube boiler of one hundred horse-power, also the necessary pumps, injectors, water heaters, etc.

BUCHANAN HALL.

This is a substantial and handsome brick building, three stories high, and containing over forty rooms. It is favorably located, with a view to the health of the occupants, and convenience of access to University Hall. The rooms are large, well ventilated and lighted, and open into broad corridors extending lengthwise through the building. From a wide veranda in front there are three entrances to the building. There are also two rear entrances. Behind the hall a brick bath house has been erected, which contains bath and toilet rooms, supplied with cold and hot water.

HILL HALL.

In honor of Lieutenant-General Daniel Harvey Hill, C. S. A., who served ably as president of the University of Arkansas from June 16, 1877, until June 6, 1884, the name "Hill Hall" has been given the building known until 1906 as the "New Dormitory."

This structure, for which a special appropriation was made by the general assembly of 1901, is located west of University Hall, and north of Buchanan Hall, and is convenient of access to both buildings. It is a substantial brick structure, three stories high, with a foundation of range stone work, and with trimmings of dressed limestone, and contains in all some twenty-five rooms. The first story contains a commodious dining hall, thirty-eight by eighty-six feet, which is sufficiently large to accommodate all students who occupy rooms in University dormitories. On this floor also are kitchen, storeroom, furnace room, coal bin, etc. The second and third stories contain some twenty rooms for students, besides ample corridors, stairways.

etc. By the aid of the superintendent and the liberality of the students and citizens a handsome suite of parlors has been tastefully and elegantly furnished. The entire building is heated by steam, lighted by electricity, and supplied with water by the city waterworks.

EXPERIMENT STATION.

The original buildings of the agricultural experiment station are of brick, one story in height. They contain several offices, the laboratories of the station, the station museum, and several commodious storerooms. Belonging to the department of agriculture are a large barn, stock shed, dairy house, and other necessary outbuildings. There is also a handsome and conveniently located cottage residence for the manager of the University farm.

HORTICULTURAL BUILDING.

This structure is twenty-three by sixty feet, is heated by steam, and supplied with improved ventilating apparatus and other modern conveniences. Attached to this is a building twenty-four by thirty feet, which is designed to be used as a laboratory for plant study. The equipment thus provided furnishes much-needed facilities for study and research to all persons interested in plant life, and especially to students of horticulture.

New Buildings.

Six new buildings provided by the general assembly of 1905 will be ready for occupancy by the fall of 1906. All of them are of fire-proof construction, with brick walls, slate roofs, stone foundations, and granite trimmings, except that the dairy building has stone walls and a shingle roof.

Messrs. Charles L. Thompson and Oscar M. Gates, both of Little Rock, were the architects for the new chemical laboratory, the young women's dormitory, and the young men's dormitory. Messrs. Reed & Heckenlively, of Springfield, Mo., were the architects for the agricultural and dairy buildings and the hospital. The work on all of these buildings was superintended by Mr. Oscar M. Gates of Little Rock. A detailed description of each of the new buildings follows:

NEW CHEMISTRY BUILDING.

On the first floor are located laboratories for qualitative and quantitative analysis, organic and physical chemistry, a private

office and laboratory, a balance room, and the department for state fertilizer analysis.

The second floor has the general lecture room, accommodating over one hundred and fifty students, with raised seats, giving each student full view of the lecturer's demonstrating table. Occupying all the opposite end of the second floor is the general chemistry laboratory, thirty-eight by forty-two feet, with a large balance room, storage room, and other accessories.

In the basement are the general storage space, a room for the gas machine, and a room for furnaces.

ELLA CARNALL HALL.

The dormitory for young women is named "Ella Carnall Hall" in honor of Ella Carnall, Ph. M., Associate Professor of English and Modern Languages in the University of Arkansas, who died much-beloved by both pupils and fellow-teachers, and who bequeathed to the University her library of useful works on modern philology.

Ella Carnall Hall is designed to be complete within itself, having its own toilet and bath rooms, dinings room, kitchen, and an independent steam heating plant. The building faces south, with a frontage of one hundred and ninety feet, and an eastern and western exposure of one hundred and six feet.

The first floor contains a large parlor and a library, each thirty by thirty-four feet, and situated to the right and the left respectively, of the main entrance, with a reception room and parlor adjoining. In the rear wings of this story are the dining room, recreation room (each thirty-five by forty feet), kitchen, and pantry. The east and west wings contain each a group of five bed rooms with a toilet and bath room with a ten-foot veranda extending across the front and ends of these wings.

The second story has thirty-six bed rooms, four large linen closets, and four toilet rooms.

In the third story are eight full-sized bed rooms, two toilet rooms, and ten rooms for individual piano practice. The latter are isolated in the east and west wings in such a manner as not to interfere with study or any other work going on in the building.

The arrangement of this building is such that every bed room has two large outside windows giving ample light and ventilation, one large wardrobe, and one alcove with book shelves. The

rooms average twelve by fourteen feet or over, and accommodate two students each.

All halls are well lighted and ventilated. The toilet rooms are so grouped and arranged as to give perfect sanitation at all times, and the stairways, four in number, are at the most convenient points to feed the building equally. This building has a pleasing exterior, distinguished by its massive but well-proportioned lines, its spacious verandas, and generally home-like and inviting appearance.

GRAY HALL.

This is a dormitory for young men. It is named in honor of Colonel Oliver Crosby Gray, C. S. A. Born and educated in Maine, he became thoroughly and prominently identified with the interests of the state of Arkansas. For a number of years he was Professor of Mathematics and Commandant in the University of Arkansas.

It is the purpose in the arrangement and planning of Gray Hall to provide as many bed rooms as possible with every comfort and convenience patterned after the U. S. Army barracks, with a two-story veranda extending entirely across the front.

Each of the two floors has thirty-four bed rooms and four large linen closets. The bed rooms are of an average size of twelve by fourteen feet, for two students each, with a large wardrobe and book shelves in each room, which is amply lighted by two large outside windows.

The building is one hundred and seventy-six feet in length by ninety-two feet in total depth, and is divided into groups or wings of from four to six rooms each, each group being inclosed within a brick fire wall, and all rooms being about equally distant from the two large flights of stairs.

An excellent system of steam heat is installed and connected with the general heating plant of the University.

The general exterior is good, having wide overhanging eaves with graceful roof lines, grey stone trimmings, and a good frontage, which adds to the effectiveness.

AGRICULTURAL BUILDING.

This is a brick structure consisting of two stories and a basement. The trimmings are of stone, and the roof of slate.

The basement contains toilet rooms, a heating plant, and storage and propagating rooms.

The first story includes class rooms, a library and reading-room, a lecture room, cloak rooms, main corridors, and wide stairways leading to the second story and the basement. The main entrance is at the south side through a vestibule with tiled floor.

In the second story are the directors' office, library, and adjoining clerk's room, opening into a large bulletin room. The entire west side of the second story is used for an exhibit hall, which is twenty-seven by fifty feet. Toilet rooms are provided on this floor for the directors and clerks. The attic is reached by a wide stairway at the north end of the corridor, the attic being floored for storage purposes.

This building is fifty-four by sixty-eight feet, has steam heat and electric lights, and is modern in every particular.

DAIRY BUILDING.

This is a structure of two stories and a basement, forty-one by seventy-three feet, with a boiler room fourteen by twenty-eight feet at the south end.

The basement is divided into compartments for cheese curing, refrigerators, repair and work-rooms, etc., with cement floors.

The first floor is of cement, suspended to I beams by corrugated bars, and divided for creamery, dairy, and cheese rooms, etc., with a milk intake at the west side.

The second floor is divided into commodious rooms, an office and library, laboratory, reading room, lecture room, milk testing laboratory, and lavatory.

The attic is floored for storage purposes, and reached by a stairway from the corridor of the second floor.

HOSPITAL.

This is a one and one-half story brick building, forty-five by sixty-two feet, with a stone basement. The latter contains a kitchen, dining-room, pantries, and a storage cellar with cement floors. The first story has a wide recreation and service corridor the entire length, with a fireplace and vestibule entrance; a reception room and parlor with a fireplace; an open ward for men, with four beds; a men's bath and toilet room; a public toilet room; adjoining the men's bath room, the fully equipped wound-dressing and operating room; a private ward for men and one for women; also a large open ward for women and the women's

bath room; and a contagious ward entirely isolated from the rest of the building, with its own toilet room and fireplace. The second story contains four large finished rooms for the use of nurses and servants, or other purposes, if it is desired, plenty of closets, a linen room, and a large store room. The building is supplied with hot and cold water and electric lights, and is modern in every particular. It looks more like a home than a hospital.

GENERAL LIBRARY AND DEPARTMENTAL LIBRARIES.

The general library, occupying the second floor of the north wing of University Hall, is for the use of the whole University. All students who have matriculated may take out books, one volume at a time, and may keep them one week. Officers of the University have access to the shelves, and students engaged in advanced work, upon recommendation by their instructors, are allowed to have books reserved from those parts of the collection with which they are occupied. The reading room of the general library is a study hall for *collegiate* students only.

The leading high class periodicals (including magazines, reviews, and various technical monthlies) are taken and bound as they accumulate. This vast fund of current literature is rendered more useful and accessible by Poole's Complete Index to periodic literature from 1802 to the present time. Forty-five magazines, thirty-five weekly, and seven daily papers are received by the general library.

The general library contains over 9,000 books and 3,000 pamphlets, with a catalogue on cards, which is accessible to the public and consists of two parts, the one arranged by authors, the other by subjects.

In addition there are departmental libraries, open to advanced students engaged in research work, and in charge of the heads of the several departments. These special libraries contain the following numbers of volumes:

English and Modern Languages: U. H. 30; 975 bound books; 205 unbound books. PROFESSOR CARR.

Mathematics and Astronomy: U. H. 34; 306 books; 45 pamphlets. PROFESSOR DROKE.

Chemistry: Chemical Laboratory; 128 books; 140 journals; 950 pamphlets. PROFESSOR CARROLL.

Biology: U. H. 32; 250 books. PROFESSOR PICKEL.

Geology and Mining: U. H. 39; 1,227 books; 1,929 pamphlets.

PROFESSOR PURDUE.

Civil Engineering: Eng. Hall; 200 books. PROFESSOR KNOCH.

Agriculture and Horticulture: Experiment Station; 1,768 books; 10,000 pamphlets; 35 journals. DIRECTOR VINCENHELLER.

Preparatory School: U. H. 12, 13, and 25; 180 books.

PRINCIPAL RAMSEY.

Expression: U. H. 38; 75 books.

MRS. CROCKETT.

Thus the various branches of the University library contain 14,109 books and 16,129 pamphlets.

DEPARTMENTAL LIBRARY OF ENGLISH AND MODERN LANGUAGES.

Those books which have been purchased with the funds of the department of English and modern languages, or have been presented to it in the way of donation or bequest, now form a *reference* library in room 30 of University Hall. By paying a deposit of twenty-five cents, students of the third and fourth year classes in English and modern languages become entitled to keys to this library, and free access to its shelves. This collection of carefully selected volumes relating to the various phases of modern philology is an invaluable aid to advanced students. It is practically a private library for the individual student, and the laboratory of the department. The room is plainly but suitably furnished with settees, chairs, library table, and desk, and ornamented with the busts and portraits of authors, and pictures of literary significance.

THE LABORATORIES, ETC.

In the laboratories of the University opportunities are afforded for practical instruction in chemistry, mineralogy, physics, botany, zoology, entomology, horticulture, and in civil, mechanical, electrical, chemical, and mining engineering.

CHEMICAL LABORATORIES.

The work in chemistry is carried on in the newly erected Chemistry Building. On the first floor of the building are laboratories for qualitative and quantitative analysis, organic chemistry, physical chemistry, the balance room, and a library. On the

second floor is a large lecture room and the general laboratory for first-year students. In the basement are store rooms and the laboratory for assaying. The various laboratories are well provided with work-tables, sinks, hoods, water, and gas. The department is provided with apparatus sufficient for the present needs.

BIOLOGICAL LABORATORY.

The biological laboratory is located on the third floor of University Hall, and has accommodation for about forty students. The laboratory is furnished with work tables, a sink, and the necessary gas fixtures for incubators, sterilizers, etc., also an aquarium for keeping aquatic animals and plants on hand for observation and study. The equipment in apparatus consists of Bausch and Lomb compound microscopes, dissecting microscopes, microtomes, and such other apparatus and chemicals as are needed for practical work in biology. There is a collection of insects, and also apparatus for collecting, drying, preserving, and mounting insects. The laboratory has a number of skeletons of different animals, and models and charts for teaching plant and animal anatomy.

LABORATORIES OF GEOLOGY AND MINING ENGINEERING.

The geological department is provided with aneroid barometers, compasses, hand-levels, pedometer, etc., for field work. There is also a well-equipped laboratory for determinative mineralogy.

MECHANICAL ENGINEERING LABORATORY.

The laboratory contains the following machinery: One ten horse-power Kerr steam turbine, one fifteen horse-power slide valve steam engine; one ten horse-power Weber gasoline engine, one thirty-five horse-power Westinghouse compound steam engine, one $4\frac{1}{2} \times 3\frac{1}{2} \times 4$ duplex steam pump, one fifty horse-power Wheeler condenser with air, water and circulating pumps, and one 60,000-pound Rheile testing machine.

The laboratory is well provided with apparatus for experimental work, including a Mahler Bomb calorimeter for testing fuels, an apparatus for flue gas analysis, steam calorimeters, six engine indicators, two injectors, an assortment of thermometers, pressure gauges, measuring tanks, feed water heaters, water meters, scales, etc.

The steam boilers used for heating the University buildings are arranged so as to be available for experimental work, and the shop engine, a Corliss, is also used for purposes of instruction.

Among the facilities for instruction in engineering contained in the equipment of the mechanical department in addition to that given under the heading of shops, mechanical engineering drawing room, and mechanical laboratory may be mentioned a Deane steam pump with airchamber, water and steam cylinders and valve chambers sectioned, so that a student may see the working parts; a Cameron steam pump with a steam cylinder sectioned, showing the valve motion; a Knowles pump in full working order; a Blake steam pump in section; sections of injectors; a model of Stevenson's link motion; and a collection of samples of manufactured articles, such as steam pipe coverings, leather beltings, lubricating oils, etc.

PHYSICAL LABORATORY.

The first floor of Science Hall, with the exception of one lecture room, was devoted to physics. This building was condemned and taken down. The next general assembly is expected to appropriate for a new physical laboratory.

ELECTRICAL LABORATORIES.

The dynamo laboratory affords excellent facilities for experimental work with practical machinery. It is located in the east end of the basement of Engineering Hall.

The power is supplied by a 30 horse-power, vertical type, double cylinder, gasoline engine. A 60-cell, 300 ampere-hour storage battery supplies current for experiments in which an absolutely steady power is desired.

There are direct current dynamos and motors, of the constant current and constant potential types. Single, two and three phase alternators supply current at various voltages and frequencies. There are transformers, converters, synchronous and induction motors, with a liberal supply of measuring instruments for use with the various machines.

The senior laboratory is located on the first floor of Engineering Hall, and is supplied with direct current at 110, 220 and 500 volts. Alternate current, single phase at 50, 100 or 200 volts and 60 cycles. Two phase, 60 cycle at 110 or 220. Three phase at 110 or 220 volts, with a frequency of 60 to 133 cycles per second.

A high tension testing transformer supplies current at any voltage up to 120,000 volts for testing of insulators, while standard cells, a Kelvin balance and a potentiometer furnish means for calibrating the laboratory measuring instruments. The equipment enables students to carry on experimental work of a very wide range and to obtain proficiency in operating and testing electrical machinery.

Students are also permitted to inspect the plant of the Fayetteville Electric Light & Power Company, and to make measurements and make tests on it. Their primary mains supply the electrical laboratory with alternate current at 60 cycles and 2,000 volts.

The photometric laboratory, which also serves as a photographic and X-ray dark room, is supplied with a standard photometer bar, Lummer-Brodhun screen and Amylacetate lamp. It is connected by cable with the switchboards in the storage battery room and in the dynamo room.

CIVIL ENGINEERING LABORATORY AND EQUIPMENT.

The instrument laboratory for this department is located on the first floor of Engineering Hall, and is provided with all the necessary instruments for work in land, railroad, and city surveying and office work. The equipment of field instruments has been selected so as to afford students the opportunity of becoming familiar with the instruments of the different manufacturers. Among the instruments there are a number of engineers' transits and Y levels, theodolites, transit with solar attachment, compasses, hand levels, standard and ordinary steel tapes, plane tables, sextant, aneroid, and mercurial barometers, etc. An equipment for practical astronomy has been added, consisting of a large altazimuth, reading to seconds by levels and micrometers; a sidereal clock with break-circuit attachment; and a chronograph reading to tenths of seconds.

CEMENT LABORATORY.

The laboratory for cement and hydraulic work is situated in the northwest corner of the basement in Engineering Hall, and occupies a well-lighted room having a floor space of 2,450 square feet. It has a cement floor with floor drains to facilitate work in experimental hydraulics, and is provided with piers built up from the ground for use with delicate instruments.

The equipment for the purpose of testing the strength of mortars and cement, includes one 2,000-pound tensile testing machine, one 1,000-pound automatic machine, Vicat's and Gilmore's needles, brass molds for briquettes, compression and transverse test pieces, storage tanks, sieves, steaming apparatus for blowing tests, apparatus for accelerated tests, specific gravity, etc.

A 4,000-pound tensile machine for testing steel, and a 5,000-pound machine for testing transverse strength of bars, etc., have recently been added to the equipment. The laboratory also contains a large foundry rattler and other equipment for testing stone and brick for paving purposes.

For work in hydraulics there are weir tanks, weir plates, water meters, water wheels, turbines, etc.

The laboratory is provided also with a complete blue-printing outfit, consisting of printing frames, washing tanks, etc.

SHOPS.

The machine shop contains a Corliss engine, which runs the machinery in the whole building, a large iron planer, a shaper, several lathes of different sizes and makes, drill press, grinding machines, milling machine, and a good supply of hand tools, benches, and materials.

The forge shop contains eight Buffalo forges with down draft, which takes the smoke away through underground pipes, thus avoiding the smoke and dirt of the ordinary blacksmith shop. It also contains a shearing and a punching machine, eight anvils of different weights, and all the necessary blacksmith tools for the eight forges.

The wood shop contains one buzz planer, one large cylinder planer, circular saw, band saw, mortising and boring machine, five smaller lathes, one 18-inch pattern maker's lathe, and twenty-six benches, each equipped with a complete set of carpenter's tools.

The foundry contains one Colleau cupola with a capacity of one and one-half tons of iron per hour, one brass furnace of one hundred and fifty pounds capacity. Buffalo pressure blower and a core oven.

The boiler room contains three seventy horse-power fire tube boilers and one water tube boiler of one hundred horse-power, feed pumps, injectors, measuring tanks, etc.

The various departments of the shop building afford facilities for giving practical instruction to seventy-five students at one time.

MECHANICAL ENGINEERING DRAWING ROOM.

The equipment includes the usual tables and stools; and among the special apparatus and instruments may be mentioned the planimeter, odontograph, slide rule, protractor, section liner, etc. A blue print room contains complete facilities for the details of the blue print process. One room is provided with photographic facilities, which will be used to prepare lantern slides and prints illustrating various branches of engineering.

PHYSICAL CULTURE ROOM.

A large room on the north wing of University Hall is set apart for the use of the department of physical culture, and has been furnished, as far as means were available, with the equipment necessary for systematic physical training.

THE ARMORY.

The armory is a large well-lighted room, sixty by eighty feet, occupying the entire basement of the north wing of University Hall. It is substantially fitted up with arm racks, compartments for equipments, and other conveniences. Two adjacent rooms are assigned to the military department, and are used as band room and storeroom.

The equipment of the department consists of three hundred Springfield cadet rifles, of the same model as those used at the United States Military Academy at West Point, three hundred sets of infantry equipments, twenty-seven cadet swords (West Point pattern), national colors, flags, signal equipments, ammunition, etc., and a superior set of band instruments. Next year the department will be equipped with Krag-Jorgensen rifles.

The arms and equipments are furnished the University by the national government. The other equipments have been purchased by the University, and belong to the military department.

THE MUSEUM.

The museum occupies a large portion of the fourth floor of University Hall. The material of the museum has been collected with the view of facilitating instruction in geology and biology, and also to make it of interest to the visiting public. That portion of the collection suitable for display is arranged in glass cases, while the working collection is in drawers. Sloping-top cases with drawers beneath afford space for several thousand specimens.

Relief Maps. For illustration in geology and general interest to the public, there have been placed in the museum the following relief maps: geological relief maps of the state of Arkansas, Colorado Canyon, central Tennessee and the United States; a convex relief map of the United States on a section of a globe sixteen feet in diameter; a relief map of Carmel Bay, California; Ice Spring craters, Utah; Yosemite Valley; Palestine; Mount Vesuvius; the state of California; San Francisco Peninsula; and a sectional geological relief map of the Leadville region, Colorado.

The Mineral Collection. The mineral collection contains about three thousand specimens, representing the different mineral groups. Many of these specimens are displayed in cases.

The Petrographic Collection. The most valuable part of this collection consists of the series furnished by the United States geological survey, representing sedimentary, igneous, and metamorphic rocks. Besides this, there is a valuable collection of building and other stones from different parts of the country.

Paleontological Collection. There is a large collection of invertebrate fossils in the museum, mainly representing the fauna of the different geological horizons in northern Arkansas.

The Major Earle Collection. Major F. R. Earle has deposited in the museum his private collection of minerals and fossils. The collection was formerly in Cane Hill College.

The Zoological and Botanical Collection. This collection consists of two hundred birds and mammals, representing eighty species; two hundred reptiles and amphibians, representing forty species; fifteen hundred fishes, representing three hundred and fifty species; one thousand insects and other invertebrates, representing two hundred species; several skeletons.

Donations to the museum will be gratefully acknowledged, and the donors may be sure that anything of value sent to it will be carefully preserved and duly credited to the donor. Collections in the hands of private parties are likely to be soon scattered and destroyed through lack of care or improper handling. The museum is now prepared to receive collections on deposit, and to preserve and to display them under the owner's name until called for.

Though the museum is most important on account of its educational value, it at the same time serves an important purpose in representing the resources of this state.

ATHLETIC FIELD.

For the accommodation of the University football and baseball teams and spectators there is an excellent athletic field with a covered grandstand.

Admission to the College

***GENERAL CONDITIONS OF ADMISSION.**

Candidates for admission are urged to be present on the opening day of the session. Admission at a later date is not refused, but it is attended with greater or less inconvenience.

Students on their arrival at Fayetteville should report promptly to the president. Needless delay in reporting, or unseemly conduct may justify exclusion from the University.

Applicants should present certificates of honorable discharge from the institution last attended, or furnish other testimonials of good moral character.

Entrance examination will be required of all students entering the University, except those who bring certificates from accredited preparatory schools or from reputable colleges or universities. For the time at which these examinations will be held, see page 48.

ADMISSION TO THE FRESHMAN CLASS.

The requirements for admission to the Freshman class consist partly of constants, or required subjects, and partly of electives. At present a student must present for admission to the B. A., B. S., and Normal courses thirty-one credits; to the engineering courses, twenty-four credits. One credit is regarded as the equivalent of one recitation of sixty minutes, or two recitations of thirty minutes each, in a study for a school year of thirty-six weeks. Below will be found a detailed statement of the requirements for admission to the different courses:

FOR THE B. A., B. S., B. S. A., AND NORMAL COURSES.

Required:

English, 8 credits.

Algebra, 5 credits.

Plane Geometry, 4 credits.

United States History, 3 credits.

General History, or Greek and Roman History, 3 credits.

Total, 23 credits.

*For the terms of admission to the Preparatory School, see pages 121-2.

Required in addition, 8 credits selected from the following groups:

Group A.

Latin, 8 credits.
Greek, 8 credits.
French, 8 credits.
German, 8 credits.

Group B.

Physical Geography, 2 credits.
Physiology, 2 credits.
Botany, 2 credits.
Zoology, 2 credits.
Physics, 2 credits.
Chemistry, 2 credits.
English History, 2 credits.
Civil Government, 2 credits.
Bookkeeping, 2 credits.
Freehand Drawing, 2 credits.
Manual Training, 2 credits.
Mechanical Drawing, 2 credits.

Candidates for the B. A. degree will be required to present eight credits from group A, all in one language.

Candidates for the B. S. or B. S. Agr. degree, or for the Normal course, will be required to present eight credits selected from group A or B, or both.

No *college* credit is given for any subject in Group B, unless the approval of the accredited school committee and of the professor in charge of the subject is obtained.

FOR THE ENGINEERING COURSES.

Required:

English, 8 credits.
Algebra, 5 credits.
Plane Geometry, 4 credits.
United States History, 3 credits.
Total, 20 credits.

Required in addition, 4 credits selected from any one of the subjects in A, or any two in B.

ENTRANCE EXAMINATION SUBJECTS.

The following statement will indicate the amount of work in both required and elective subjects which a student may offer in making up his entrance credits, but has no reference to what

work will be required if college credit is sought in these subjects.

English.*

I. *Composition.* The candidate will be required to write a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number, perhaps ten or fifteen, drawn in 1906, 1907, and 1908 from the following works:

Shakspeare's *Merchant of Venice* and *Macbeth*; *The Sir Roger de Coverley Papers* in the *Spectator*; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *Passing of Arthur*; Lowell's *Vision of Sir Launfal*; Eliot's *Silas Marner*.

II. *Careful Study.* A certain number of books will be prescribed for careful study. This part of the examination will be upon subject-matter, literary form, and logical structure, and will also test the candidate's ability to express his knowledge clearly and accurately. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong. The books prescribed for this part of the examination in 1906, 1907, and 1908, are:

Shakspeare's *Julius Cæsar*; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison*, and *Essay on Boswell's Life of Johnson*.

The candidate is expected to read intelligently all the books mentioned in I. He should read them as he reads other books; he is expected, not to know them minutely, but to have freshly in mind their most important parts. In every case knowledge of the book will be regarded as less important than ability to write English. As additional evidence of preparation, the candi-

*SPECIAL ANNOUNCEMENT.—No candidate will be admitted to the Freshman class in English who does not present official evidence that he has completed the English course of an accredited school, or who does not pass a written examination based upon the requirements mentioned in detail in this catalogue. Furthermore, no candidate will be admitted to this examination who does not certify that he has read all the works prescribed for reading, and studied carefully all the works prescribed for careful study. No substitutions will be allowed.

date may present an exercise-book, properly certified by his instructor, containing compositions or other written work.

Though there is no formal examination in grammar or rhetoric, no candidate will be accepted in English whose work is seriously defective in point of spelling, grammar, idiom, punctuation, or division into paragraphs.

In connection with the reading and study of the prescribed books, parallel or subsidiary reading should be encouraged, and *a considerable amount of English poetry should be committed to memory.*

Algebra.

Five Credits.

To simultaneous quadratic equations, with special attention to factoring, the theory of exponents and radicals.

Plane Geometry.

Four Credits.

All of plane geometry will be required for admission to the Freshman class. A note-book containing the solution of at least one hundred and fifty original exercises shall be submitted for examination.

United States History.

Three Credits.

The completion of Montgomery's Leading Facts or an equivalent. Five recitations a week for a year.

General History.

Three Credits.

The completion of Meyer's General History or an equivalent. Five recitations a week for one year.

History of Greece and Rome.

Three Credits.

The completion of Meyer's History of Greece, and Meyer's History of Rome, or equivalent. Five recitations a week for one year.

English History.

Two Credits.

The completion of some good History of England, like Montgomery's or Larned's. At least three recitations a week for one year.

Latin.

Four Credits.

(a) First Latin Book complete; text-book: Collar & Daniell, Bennett, or an equivalent.

(b) Cæsar and prose composition. Four books of Cæsar, with twenty-five lessons in Bennett's Latin Composition, or the equivalent. •

Greek.*Four Credits.*

(a) The completion of White's Beginner's Greek, or an equivalent.

(b) Three books of Xenophon's Anabasis, with the whole of Collar & Daniell's Greek Prose Composition.

Elementary German.*Four Credits.*

The examination will be suited to the proficiency of those who have had two years of German in a preparatory school, or the equivalent of German 1 (see page 88 of this catalogue), and will test (a) the candidate's knowledge of the rudiments of German grammar; (b) ability to read easy prose at sight, and (c) to translate simple English sentences into German. The candidate should have read two hundred pages of easy prose.

Advanced German.*Four Credits.*

The examination will be suited to the proficiency of those who have had at least three years of German in a preparatory school, or the equivalent of German 2 (see page 88 of this catalogue), and will test the candidate's ability to read (a) modern German prose and poetry at sight, and (b) to translate easy English narrative into German. The candidate should have read three hundred and seventy pages of the works of Riehl, Freytag, Heine, Lessing, Goethe, and Schiller, and thirty pages of lyrics and ballads.

Elementary French.*Four Credits.*

The examination will be suited to the proficiency of those who have had two years of French in a preparatory school, or the equivalent of French 1 (see page 89 of this catalogue), and will include (a) the translation at sight of ordinary nineteenth century prose; (b) the translation from English into French of sentences to test the candidate's familiarity with elementary grammar. The candidate should have read three hundred pages of simple prose.

Advanced French.*Four Credits.*

The examination will be suited to the proficiency of those who have had at least three years of French in a preparatory school, or the equivalent of French 2 (see page 89 of this catalogue), and will test the candidate's ability (a) to translate standard French prose and poetry at sight, and (b) to turn easy English prose into French. The candidate should have read six hundred pages in the works of such authors as Daudet, Loti, Sandeau, Corneille, Racine, and Molière.

Chemistry.*Two Credits.*

Remsen's Chemistry (Elementary Course), Freer's Elements of Chemistry, or Hessler & Smith's Essentials of Chemistry, or an equivalent. A laboratory note-book covering two hours of laboratory work per week for one year must be presented for examination.

Physics.*Two Credits.*

Gage's Elements of Physics, Appleton's School Physics, or Hall & Bergen's Physics, or an equivalent; sufficient apparatus for the teacher to perform all the experiments. A laboratory note-book covering two hours of laboratory work per week for one year must be presented for examination.

Physiology.*Two Credits.*

Martin's Human Body, or an equivalent.

Botany.*Two Credits.*

Gray's Lessons in Botany and Vegetable Physiology, or an equivalent. A laboratory note-book covering two hours of laboratory work for one year must be presented for examination.

Zoology.*Two Credits.*

Packard's Zoology, elementary course, and Boyer's Laboratory Guide, or an equivalent. A laboratory note-book covering two hours of laboratory work for one year must be presented for examination.

Civil Government.*Two Credits.*

McLeary's Civil Government, and Arkansas and the Nation, or an equivalent. At least three recitations a week for one year.

Bookkeeping.*Two Credits.*

Credits in bookkeeping will be given upon the presentation of the certificate of the instructor stating the amount of work done, when accompanied by a complete set of practice books in double entry, satisfactorily written.

Free-Hand Drawing.*Two Credits.*

Specimens of drawings from models and machine parts shall be presented for examination, or credit may be given on good art drawings.

Shop Work.*Two Credits.*

Credits in manual training, carpentry, machine shop, forge shop, or foundry will be accepted.

ORDER OF EXAMINATIONS FOR ADMISSION IN 1906.

Wednesday, September 19.—9 a. m., registration of students; 1 to 3 p. m., Geometry.

Thursday, September 20.—1 to 4 p. m., Algebra.

Friday, September 21.—1 to 4 p. m., Latin.

Saturday, September 22.—9 a. m. to 12 m., English Composition and Literature; 1 to 2:30 p. m., United States History; 2:30 to 4 p. m., General History.

The order of examinations in other subjects will be announced at the opening of the University.

EXAMINATIONS AT PLACES OTHER THAN FAYETTEVILLE.

Students living at a distance from the University may obtain special examinations near their homes, if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school, or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

ADMISSION BY CERTIFICATE.

The graduates of accredited schools are admitted to the Freshman class in the University without examination, provided, in all cases, certificates from the principal of the school attended be presented, containing specific statements of the kind and extent of work done in the studies in which credits are desired. Blank forms for such certificates will be furnished by the University. Students from schools regularly accredited to other reputable colleges and universities will be admitted to the Freshman class without examination, *provided*, they present evidence that such schools are duly accredited and that they have completed the work required for admission to the Freshman class of this University in the courses which they desire to take.

A student who presents a certificate of scholarship from a high school, academy, or college not on the list of accredited schools, is required to take such examinations as may be prescribed. The result of such examinations, together with the certificates, will be passed on and proper credit allowed by the professors of the departments which such student proposes to enter.

ADMISSION TO ADVANCED STANDING.

Candidates for admission to classes in advance of the Freshman will be required to pass satisfactory examinations in the subject previously pursued by the class which they propose to enter. But such candidates coming from colleges or universities of good standing, may, on the presentation of the proper certificates as to the studies pursued, be admitted provisionally to such standing and upon such terms as the faculty may deem equitable in each case.

ACCREDITED SCHOOLS.

Any school desiring accredited relations with the University should make application to the accredited school committee. The application should state clearly the text-books used, the length of the school term and of recitation periods, equipments such as library and scientific apparatus, the names of teachers doing high school work, with their qualifications as shown by education and experience. When this information is received, the University will, if it is deemed best, send an officer of the

institution or some other competent person to inspect the school; and from the data secured from all sources the University will decide whether or not the school shall be accredited. But as the University has neither funds nor an officer set apart for this purpose, delays may occur in visitation; the authorities, however, will be as prompt in the matter as possible.

The principals of accredited schools should report annually all changes in course of study and teaching force. The University may visit an accredited school or may call for information at any time. Failure to keep the University informed regarding the school may be the occasion of dropping the same from the list. To prepare for the Freshman class the course of study should not be less than three years of thirty-six weeks each, based on an elementary course of seven or eight years. The University looks with distrust upon pretentious schools; and, if the course of study announced by a school applying for accredited relations is more than the teaching force can well do, that fact will prejudice the cause of the school.

LIST OF ACCREDITED SCHOOLS.

Below is given a list of schools already accredited. New names are added from time to time. No effort is made in the list given below to classify the schools. Some of them do more work than is required for entrance; while others fall short of meeting entrance conditions in one or two subjects. A record is kept by the University of the subjects in which each school is accredited.

SCHOOL.	PRINCIPAL.
Amity High School.....	S. M. Samson.
Argenta High School.....	C. P. Baker.
Arkansas Cumberland College.....	J. Thompson Baker.
Arkansas Military Academy.....	R. C. Hall.
Atkins High Schools.....	J. P. Bingham.
Batesville High School.....	I. C. Gibson.
Bellefonte High School.....	W. D. Jeter.
Belleville High School.....	M. Sullivont.
Bentonville Academy.....	E. E. Bagwell.
Camden High School.....	H. H. Harper.
Choctaw High School.....	W. E. Halbrook.
Clarendon High School.....	J. McCullough.
Clarksville High School.....	J. W. Sallis.

SCHOOL.	PRINCIPAL.
Corning High School.....	L. M. Carter.
El Dorado High School.....	A. H. Abbott.
England High School.....	E. R. Robinson.
Eureka Springs High School.....	C. S. Barnett.
Fordyce Training School.....	M. E. Holderness.
Fort Smith High School.....	E. B. Stover.
Hamburg High School.....	J. R. McChesney.
Harrison High School.....	L. H. Potts.
Helena High School.....	S. H. Spragins.
Hinemon University High School..	J. W. Shewmake.
Hope High School.....	D. L. Paisley.
Hot Springs High School.....	G. B. Cook.
Jonesboro High School.....	D. T. Rogers.
Little Rock High School.....	H. Gates.
Lonoke High School.....	A. J. Meadors.
Malvern High School.....	R. H. Freeland.
Marianna High School.....	J. H. Andrews.
Morrilton High School.....	C. L. O'Daniel.
Mountain Home Academy.....	L. A. Morton.
Newport High School.....	William L. Wallace.
Paris Academy.....	G. S. Minmier.
Paris (Tex.) High School.....	J. P. Downer.
Pine Bluff High School.....	J. H. Thatch.
Prairie Grove High School.....	J. H. Caldwell.
Sloan-Hendrix Academy.....	Geo. J. Evans.
Southwestern Academy, Magnolia..	S. H. Lucas.
Springdale High School.....	M. F. Croxdale.
Stephens High School.....	J. P. Womack.
Stuttgart High School.....	G. G. Sampson.
Texarkana High School.....	Walter L. Hale.
Thompson's Institute, Paragould...	R. S. Thompson.
Van Buren High School.....	A. V. Hamilton.
Western Military Academy, Upper Alton, Ill.....	A. M. Jackson.

General Information

SELECTION OF COURSES OF STUDY.

Students are allowed all reasonable freedom in choosing their courses of study. But they are required to pursue their studies in the order prescribed, and, when candidates for a degree, to complete, as a condition of graduation, all the subjects in the course leading to such degree. Changes in the course of study selected are discouraged, but for sufficient reasons are allowed if made within three weeks after admission; subsequently no such change can be made during the session except by the express permission of the faculty.

NUMBER OF RECITATIONS.

Not less than twelve nor more than sixteen recitations or their equivalent per week, exclusive of military science and tactics, may be taken by B. A. and B. S. students except by permission of the faculty. These conditions apply to engineering students, except that they may have not more than eighteen recitations a week. Two hours of laboratory, shop or farm work, drawing or sight reading, are counted equivalent to one recitation. If fewer than twelve recitations or their equivalent per week are specified in any course, studies must be elected to make up the deficiency.

CLASSIFICATION OF STUDENTS.

The satisfactory completion of the work of a class as attested by daily recitations and examinations is the condition of enrollment in a higher class. Some margin, however, is allowed for making up studies in arrears. But more than six hours per week required for such studies or more than six hours per week omitted from the studies of a given class prevent enrollment therein, except that in the engineering courses the number in both cases may be as many as eight. No student who has more than six hours per week of unfinished preparatory work can be classified as Freshman.

SPECIAL STUDENTS.

1. Students are advised to pursue in all cases in which it is practicable, some one of the regular courses leading to a degree. The number of these courses and the liberal provision for electives allow sufficient play for individual preference in the selection of subjects required for a liberal and well rounded education.

2. Students who are not candidates for a degree, but who have completed all the studies below the Freshman class, may elect a special course of study under the supervision of the classification committee and with the approval of the professors in charge of the subjects chosen.

3. Persons not under twenty-one years of age may elect a special course of study under the direction of the faculty, provided they show by examination or otherwise that they are qualified to pursue profitably the studies which they propose to take up.

4. Students in special courses are subject to the same regulations and to the same examinations in the studies pursued as all other undergraduate students.

MID-YEAR AND FINAL EXAMINATIONS.

1. Examinations, chiefly in writing, are held near the end of each term. The grades are determined by combining the values of the daily recitations and of the examinations, and are divided into four groups, as follows: Excellent (E); Good (G); Fair (F); Poor (P). A grade not lower than F is required for a "pass," which is the equivalent of about 75 per cent. At the end of each term a report is made to the parent or guardian of each student showing his progress, general conduct, etc.

2. If a student has failed in any study, he may nevertheless be allowed to take up the next study in advance, provided he be deemed by the professor in charge of the department to which the study belongs not incompetent to pursue it; but he will be required to pass a satisfactory examination in the study in which he failed, or take it up with the next class.

3. If a student has proved competent to continue his advanced work, but has not completed all the preceding studies in his course, he must resume the latter, and if he be found to be over-worked, he will be required to drop a part of his advanced work.

APPOINTMENT OF BENEFICIARIES.

Beneficiary appointments entitle the holders to free tuition. Such an appointment may be obtained from the county judge of the county in which the student resides, or from the president on arrival at the University. The total number of beneficiaries allowed to the state is one thousand.

EXPENSES.

It is the object of the University to give the best possible education at the lowest possible cost. Tuition is free to all students. A matriculation fee of five dollars is charged all candidates for admission. The following estimates are based upon the actual expenses of students for the session of 1905-1906:

	Low.	Medium.	Liberal.
Clothes, including uniform..	\$ 20 00	\$ 40 00	\$ 65 00
Board, laundry, etc.....	112 00	120 00	135 00
Books, instruments, etc.....	10 00	15 00	20 00
Incidentals	15 00	30 00	35 00
Matriculation fee.....	5 00	5 00	5 00
	<hr/>	<hr/>	<hr/>
	\$162 00	\$210 00	\$260 00

Fees are payable in advance. Board bills are payable monthly in advance. A diploma fee of five dollars is charged for all graduates. All dues are to be paid or satisfactorily adjusted before diplomas are conferred.

STUDENT LABOR.

A large part of the student body work during vacant hours to meet part of their expenses.

The general assembly has established a student labor fund, which provides work for deserving young men and women who need help to meet their college expenses. Considerable manual and clerical labor is necessary to carry on the various departments of the University, and students who desire to work are employed when practicable and paid at the rate of ten cents per hour. The requests for work always exceed the amount of money appropriated, and the University makes no promises to furnish employment for wages to all who apply.

BOARD FOR YOUNG MEN.

Rooms in the University dormitories are free, but occupants provide their furniture, fuel, and lights. Students leaving the University frequently sell their furniture at a small reduction. If there are not rooms enough for all, preference is given to Arkansas students. An officer of the University is in charge of the building, and the rooms are inspected by the faculty whenever it is deemed necessary.

Students boarding elsewhere are under the supervision of the president of the University, and are allowed to board only at places approved by him. No student is allowed to change his boarding place without the consent of the president.

NOTE.—The reception committee of the Y. M. C. A. will endeavor to meet all trains and assist the incoming students in finding eligible boarding places.

BOARD FOR YOUNG WOMEN.

A dormitory under the charge of a competent matron has been provided for young women. It is preferred that they room and board there. Room rent is free to young women who are bona-fide citizens of the state. Table board is provided at actual cost.

To those young women who, for any reason, are unable to room and board at the dormitory, all necessary assistance is rendered in finding homes in private families in the town. Under these circumstances a young woman should be placed by her parents under the control of the family with whom she boards, subject to the general supervision of the president of the University.

ABSENCES AND WITHDRAWALS.

Absences from the University during the session are not permitted except for valid reasons. The right of a parent to withdraw his son or daughter at any time, without reason assigned, is recognized, but without such withdrawal the student can not be relieved of the obligation to attend to University duties. The incidental absences of students during the session are exceedingly disadvantageous, both to themselves and to the University. While, therefore, the president permits them, in cases where propriety or urgent necessity seems to make them unavoidable, it is held to be a duty to inquire into the reasons for which the permission is solicited.

Parents or guardians who wish to withdraw their children or wards from the University should write to the president stating their wishes. No honorable discharge will be given to a student under age who is unable to produce the written application of his parent or guardian for his withdrawal, nor will an honorable discharge be given to a student under censure of any kind, whether for neglect of duty or other cause, even though he may have the consent of his parent or guardian to his withdrawal from the University.

ADVISERS.

Upon entering the University every student is assigned to some officer of instruction for guidance and advice. Students are encouraged to consult their advisers fully with regard to their studies and all their interests. The advisers keep a record of students' work and endeavor to be fully informed about them in other respects.

SALE OF ARDENT SPIRITS PROHIBITED.

By an act of the general assembly of the state of Arkansas, it is unlawful for any person to sell or give away any vinous or ardent spirits within five miles of the University of Arkansas, unless they are prescribed by a regular practicing physician for medicinal purposes.

University Organizations.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

ERNEST GIVEN HOWE, General Secretary.

OBJECT.—The Young Men's Christian Association stands for what the world calls an "all-around man," that is, physically, socially, mentally, and spiritually. Of course, the primary object is to develop religious and spiritual leaders, to deepen the Christian faith, and to elevate to a higher plane the whole moral tone of the University of Arkansas.

WORK.—The distinctive work of the association is to carry on Bible and mission study through small group classes, led by

students who have had special training. Religious meetings are held every Sunday afternoon at 2:30 at the Association rooms, at which addresses are made on the ministry, association secretaryship, foreign fields, higher ideals of life, and general religious topics. Special evangelistic meetings are held once a year. Other religious work is carried on by weekly prayer services on Wednesday night from 6:30 to 7:15, and on Friday night from 6:30 to 6:45; also assisting through some of its members the work of the city mission.

BIBLE STUDY.—The life of the association is Bible study. Classes are organized among students under the direction of chosen leaders. The course is divided into four parts, corresponding to the four University years. The classes meet once a week, and discuss points which have arisen during the daily studies.

The classes are organized in boarding houses, dormitories, and wherever a group of four or five students can be brought together. The main objects are devotional, practical, and daily study of the Bible. The courses for 1906-1907 are as follows:

Freshman Course.—The Gospel according to St. Mark, by Wm. D. Murray.

Sophomore Course.—Harmony of the Gospels, and Studies in the Life of Christ, by Sharman and Burton.

Junior Course.—Acts and Epistles, Records, and Letters of the Apostolic Age, by Burton and Sharman.

Senior Course.—Studies in Old Testament Characters, by W. W. White.

As a help to these courses the following books are recommended as parallel reading:

Schurer's "History of the Jews in the Time of Jesus Christ," 5 vols	\$8 00
Mathew's "History of New Testament times in Palestine" ..	75
Trumbull's "Studies in Oriental Social Life"	2 60
Edersheim's "Sketches of Jewish Social Life"	1 10
George Adam Smith's "Historical Geography of the Holy Land"	3 60
Edersheim's "Life and Times of Jesus, the Messiah"	2 00
Gilbert's "The Student's Life of Jesus"	1 25
Stalkers' "Life of Christ"	60

MISSION STUDY.—The mission study department of the Y. M. C. A. offers three courses of study, namely:

"The Evangelization of the World in this Generation," by John R. Mott.

"Social Evils in Non-Christian Lands," by Dennis.

"Effective Workers in Needy Fields."

As parallel readings are recommended the biographies of such men as Horace Tracy Pitkin; also studies in mission fields, such as "Dawn on the Hills of Tang," by Harlan P. Beach; and "McKay of Uganda," by J. W. Harrison, which is specially recommended for engineering students.

Another branch of the missionary department is the student volunteer movement for foreign missions. This movement was organized in 1886 at Mt. Hermon, Mass. Its fourfold purpose is (1) to lead students to a thorough consideration of the claims of foreign missions upon them as a life work; (2) to foster the purpose of all students who decide to become foreign missionaries, by helping to guide and stimulate them in mission study, and in work for missions until they pass under the immediate direction of the mission boards; (3) to unite all volunteers in an organized, aggressive movement; (4) to create and maintain an intelligent, sympathetic, active interest in foreign missions among the students who are to remain on the home field, in order that they may back up this great enterprise by their prayers, their gifts and their efforts. The movement holds an international convention every four years. The last was held in Nashville, Tenn., February 28 to March 4, 1906, when 3,060 student delegates representing 700 institutions in the United States and Canada were present. There is a strong volunteer band in the University this year.

The student volunteer movement and the courses in Bible study and mission study are in the main applicable to the Young Women's Christian Association.

MEMBERSHIP.—Membership in the association is of three kinds: active, associate, and sustaining. Any man, either student, member of the faculty, or instructor in the University, who is a member of an evangelical church, may become an active member of the association.

Any man, either student, member of the faculty, or instructor in the University, of good moral character, may become an asso-

ciate member of the association. Any man desiring to aid in the support of the association may become a sustaining member. The annual dues for the active and associate members are \$2.00 and \$3.00 according to the privileges desired. The annual fee for the sustaining members is \$1.00.

EQUIPMENT.—The equipment of the Y. M. C. A. consists of an elegant suite of five rooms, composed of a lobby, an auditorium, a Bible study room, a mission study room, and a trophy room, well furnished, lighted, and heated, and supplied with the leading journals and periodicals. This was provided through the aid of an appropriation by the general assembly of Arkansas, and by the help of the Ladies' Auxiliary of Fayetteville.

BUREAU OF INFORMATION.—The association conducts a bureau of information, and will always be glad to help any student desiring assistance. During the summer all correspondence should be directed to the general secretary. A reception committee meets all trains and assists the students in finding good boarding places.

BUREAU OF EMPLOYMENT.—The association conducts an employment bureau for students who desire to work their way through the University. Various kinds of work and remuneration therefor have been prepared, and those desiring work can be brought into immediate touch with their employer by filling out a registration blank furnished by the association.

SOCIAL.—On the first night after the opening of the University a very informal "stag" reception will be given in the Y. M. C. A. rooms, to which all the young men in the University are invited. Here all the men will have an opportunity of meeting each other and their professors.

There will be two other receptions during the year to which all students and people of the town are invited. The individual Bible classes will be entertained at various intervals during the year. The two general receptions are given by the Ladies' Auxiliary.

INDORSEMENT.—The trustees and the faculty of the University heartily recommend the work of the Association, and it is earnestly desired that every parent or guardian see to it that the student under his care be encouraged to join the Association as soon as he reaches the University. "New and old students are especially and most cordially invited to join."

YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

The Young Women's Christian Association, founded September 20, 1904, is composed of young women seeking to develop their Christian character, and to win others to Christ. Prayer meetings are held Saturday evenings, and the regular religious services Sunday afternoon. During the past year the membership of the Association has been about one hundred and twenty, with nearly one hundred enrolled in Bible study and sixty-five in mission study. The Association gives several entertainments during the year, endeavoring through these to arouse a spirit of friendship among all the young women. The members of the Association will gladly assist in any way young women just entering the University.

LITERARY SOCIETIES.

There are four literary societies: the Mathetian, founded in 1873; the Garland, founded in 1886; the Periclean, founded in 1901; and the Sapphic, founded in 1906. The Mathetian society is composed of collegiate students of both sexes; the Garland and the Periclean societies, of male collegiate and preparatory students; the Sapphic, of female collegiate and preparatory students. The weekly meetings of the four societies afford excellent opportunities for improvement in composition, declamation, debate, etc.

THE RESEARCH CLUB.

The Research Club, composed of University professors and instructors, and members of the Experiment Station staff, has for its purpose the encouragement of original research work among its members. Meetings are held fortnightly, at which technical papers are read and discussed.

THE ENGINEERING CLUB.

This organization is composed of teachers and students of the various branches of engineering in the University. Regular meetings are held, at which technical papers are read and discussed, or experiments performed.

ELECTRICAL ENGINEERING SOCIETY.

The University of Arkansas Branch of the "American Institute of Electrical Engineers," which was established at the University in 1904, holds regular meetings on the first and third Tuesdays of each month.

Original papers are read, and advance copies of papers to be presented at the Institute meetings in New York are read and discussed.

DEUTSCHER VEREIN.

The Deutscher Verein, organized December 15, 1904, is composed of University teachers and students. Its object is to encourage the use of spoken German and promote the study of German life and literature. Meetings are held fortnightly in private houses.

ENGLISH CLUB.

The English Club, founded February 9, 1905, consists of University teachers and advanced students of English. This society is now making a special study of spoken English. Papers relating to the different phases of English philology are read at the meetings, which occur every other Thursday.

CERCLE FRANÇAIS.

The Cercle Français was founded by Adjunct Professor Antonio Marinoni in 1905. Its object is to encourage the use of spoken French and promote the study of French life and literature. Meetings are held fortnightly in private houses.

ATHLETIC ASSOCIATION.

The purpose of this organization is to encourage the development of the physical man.

The association as originally formed consisted of the U. of A. Athletic Club, the U. of A. Tennis Club, the U. of A. Baseball Club, and the U. of A. Football Club; and it is further provided that if any other club, organized by the students of the University for the practice of any sport, game, or exercise, not already represented by one of the members of the association, shall make a written application for membership in this association, and the said application shall be approved by the governing body of the

association, the petitioning club shall become a member of the association, with all the rights and privileges pertaining to such membership.

Faculty Rules for the Government of Athletics.

RULE 1. No one shall participate in any sport as a member of a team representing the University, unless he be a *bona fide* student doing full work in a regular or special course as defined in the catalogue.

RULE 2. No person shall be admitted to any athletic contest who receives any gift, remuneration, or pay for his services on the college team.

RULE 3. No student shall be permitted to participate in any athletic contest who is found to be a delinquent in his studies.

RULE 4. The election of managers and captains of all athletic teams shall be subject to the approval of the faculty committee on athletics.

RULE 5. Before every athletic contest in which a University team is to be engaged, the captain of such team shall submit to the chairman of the faculty committee on athletics a list of the players eligible under the rules to participate in said contest. It shall be the duty of the captain to exclude all players from the contest except those so certified.

RULE 6. The faculty committee on athletics shall require each candidate for a team to represent the University to subscribe to a statement that he is eligible under the letter and spirit of the rules adopted by the faculty.

RULE 7. No person having been a member of a college athletic team during any year and having been in attendance less than one college half year shall be permitted to play on any athletic team thereafter until he shall have been in attendance six consecutive calendar months.

Prizes.

THE WILLIAM JENNINGS BRYAN PRIZE.

A prize fund of \$250 has been bestowed upon the University through the liberality of Hon. W. J. Bryan, of Nebraska, and a prize named in his honor and consisting of the annual income of this fund will be offered each year, provided that productions worthy of its bestowal are presented.

The prize will be awarded for the best essay on some topic relating to the problems of government, and the subjects for competition will be selected in the alternate years by the department of economics and sociology, and the department of history. The contest will be open to students who have junior or senior standing, more than half of whose work has been of the grade G, and to special students in the collegiate department who have thirty-two hours' credit of a similar grade.

The subject for the year 1906-1907 will be announced in September, 1906. Further details of the plans of competition may be obtained from the professor of economics and sociology. The competitive essay must be submitted by the first of May, 1906.

THE JOHNSON PRIZE.

Professor W. S. Johnson offers a valuable loving cup to be competed for in an oratorical contest open to the members of the literary societies.

BROUGH DEBATING MEDAL.

Professor Charles Hillman Brough, of the department of economics and sociology, offers a medal of the value of \$20, or \$20 in money, as a prize for excellence in debate, to be contested for by two representatives from each of the literary societies of the University. Two debates are held during the session; one a formal, in which the speeches are prepared, and valued at sixty per cent; the other, an informal, in which the speeches are impromptu, and valued at forty per cent. These debates are designed to train students of the University in the art of forensic speaking, and to promote a friendly rivalry among the literary societies.

PRIZE IN THE GARLAND SOCIETY.

Professor George Albert Cole offers the members of the Garland Society a prize for the greatest improvement in debate.

PRIZE IN THE PERICLEAN SOCIETY.

Miss Naomi Josephine Williams, instructor in the Preparatory School, offers a prize for the best oration written and delivered by a member of the Periclean Society.

PHILBECK PRIZE.

Instructor Robert Edward Philbeck, '00, offers a valuable prize to that member of the Garland Literary Society who delivers the best original oration.

THE EDISON MEDAL.

The Edison Medal Association was founded by the friends and admirers of the great inventor, and in the language of the deed of gift, "was organized for the purpose of properly recounting and celebrating the achievements of a quarter of a century in the art of electric lighting, with which the name of Thomas Alva Edison is imperishably identified," and this purpose was given effect by the "establishment of an Edison medal, which should, during the centuries to come, serve as an honorable incentive to the youth of America to maintain by their works the high standard of accomplishment set by the illustrious man whose name and features shall live while human intelligence continues to inhabit the world."

This medal is awarded each year by a committee of the American Institute of Electrical Engineers for the best thesis or record of research on theoretical or applied electricity or magnetism. Theses or records of research may be submitted by a graduating student from any college or university in the United States or Canada, whose course of study includes the branch of electrical engineering.

Chapel Exercises.

Religious exercises, conducted by the Rev. A. L. Harvey, B. A., University Chaplain, or by an invited clergyman, are held in the University chapel every morning at twenty minutes past eight. Students are required to attend.

Churches.

The churches of Fayetteville cordially welcome the students to their Sunday schools and various meetings for prayer and religious instruction. Many students are actively engaged in the work of the different church societies and guilds.

The pastors of the city are actively interested in the spiritual welfare of the students. There follows a list of the local churches and pastors, with the addresses of the latter:

Baptist.—Pastorate vacant.

Christian (First).—Rev. N. M. Ragland, 215 E. Dickson Street.

Christian (Second).—Rev. John Hinds, Hill Street.

Cumberland Presbyterian.—Rev. R. Thomsen, 308 St. Charles Street.

Methodist Episcopal.—Rev. J. F. Ross, cor. W. Rock and School Streets.

Methodist Episcopal, South.—Rev. P. C. Fletcher, 309 Highland Avenue.

Methodist Protestant.—Rev. J. H. Kilgore, Leverett Street.

Presbyterian.—Rev. J. F. Lawson, 4 E. Lafayette Avenue.

Protestant Episcopal.—Rectorate vacant.

Roman Catholic.—Father Patrick H. Boyle, 354 N. Willow Street.

Seventh Day Adventist.—

Degrees

The following degrees are conferred by the University:

For undergraduate work:

- Bachelor of Arts (B. A.).
- Bachelor of Science (B. S.).
- Bachelor of Civil Engineering (B. C. E.).
- Bachelor of Mechanical Engineering (B. M. E.).
- Bachelor of Electrical Engineering (B. E. E.).
- Bachelor of Mining Engineering (B. Mi. E.).
- Bachelor of Chemical Engineering (B. Ch. E.).
- Bachelor of Science in Chemistry (B. S. C.).
- Bachelor of Scientific Agriculture (B. S. A.).

For graduate work:

- Master of Arts (M. A.).
- Master of Science (M. S.).
- Mechanical Engineer (M. E.).
- Civil Engineer (C. E.).
- Electrical Engineer (E. E.).
- Chemical Engineer (Ch. E.).

All the courses leading to the different bachelors' degrees are based on four years of collegiate work. The B. A. and B. S. courses are designed to give the student liberal culture; while the engineering courses are technical. The B. A. and B. S. courses are almost entirely elective, certain safeguards and restrictions being thrown around the student's choice of electives; the technical courses necessarily consist principally of prescribed work.

For the announcements of the several collegiate departments, see pp. 81-119; College of Agriculture, pp. 138-149.

Courses of Study for the Collegiate Degrees

B. A. OR B. S. COURSE.

FRESHMAN.	Periods.	SOPHOMORE.	Periods.
English		English	3
Mathematics	*3	The foreign language pursued in Freshman year	3
A foreign language	3	Some study pursued in Freshman year	3
Elective	3	Elective	6
	6		

JUNIOR.	Periods.	SENIOR.	Periods.
Elective	15	Elective	15

*NOTE.—A period means one recitation per week throughout a college year, or the equivalent in laboratory work.

Conditions.

1. Sixty points are required for graduation.
2. At or before the beginning of the Junior year the student shall elect a major subject, and 24 periods of the 60 required for graduation shall be subject to the approval of the professor in charge of the major subject. Not more than 18 periods may be taken in any subject, and not more than 36 periods in any group.
3. Candidates for the B. A. degree shall choose their major subject from group I., II. or III., and shall offer not fewer than 9 periods from each of these groups. Not more than 9 periods may be offered from group IV. In the foreign language pursued in the Freshman year the equivalent of two years' work must be offered for admission.
4. Candidates for the B. S. degree shall choose their major subject from group II. or IV., and shall offer not fewer than 18 periods from one or both of these groups.

5. In the B. A. course the elective work of the Freshman and Sophomore years must include at least 3 periods from each of groups II. and III.

6. In addition to the requirements above mentioned, military science and tactics will be required of male students, or, whenever they are excused, one period per year in other work. One period per year in music, art, elocution, physical culture, or other work, will be required of female students.

Groups.

I. Greek, Latin, English, German, French, Spanish, Italian.

II. Mathematics, Astronomy, Chemistry, Physics, Geology, Biology.

III. History, Philosophy, Political Science, Economics, Sociology, Pedagogy.

IV. Mechanical, Civil, Electrical, Chemical, and Mining Engineering, Horticulture, Agriculture.

COURSE IN MECHANICAL ENGINEERING FOR THE DEGREE OF B. M. E.

FRESHMAN YEAR.	Hrs. per Wk.	SOPHOMORE YEAR.	Hrs. per Wk.
Mathematics, 1, 2	5	Mathematics, 4, 5	5
English, 1	3	Physics, 1	3
Chemistry, 1	3	Mechanical Drawing, M. E. 2 <i>b</i> ..	2
Mechanical Drawing, M. E. 2 <i>a</i> ..	2	C. E. 2 and 3 or a Language.....	3
Shop Work	3	Shop Work.....	3

JUNIOR YEAR.	Hrs. per Wk.	SENIOR YEAR;	Hrs. per Wk.
Mathematics, 6.....	3	Machine Design, M. E. 7.....	4
Machine Design, M. E. 3	3	Mechanical Laboratory, M. E. 8	2
Mechanics, M. E. 4.....	4	Hydraulic Machinery, M. E. 9	
Steam Machinery and Gas En-		first term.....	2
gines, M. E. 5.....	3	Electrical Laboratory, E. E. 5..	2
Mechanical Laboratory, M. E. 6	2	Electrical Machinery, E. E. 7...	3
Descriptive Geometry, C. E. 1		Elective	4
first term; Hydraulics, M. E. 9		Thesis	
second term.....	2		

All elective courses are subject to the approval of the professor of mechanical engineering.

COURSE IN ELECTRICAL ENGINEERING FOR THE DEGREE OF B. E. E.

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics 1, 2; Solid Geom- etry; Trigonometry, Algebra...	5	Mathematics 4, 5; Analytic Ge- ometry, Calculus, Algebra....	5
English 1; English Composition.	3	Chemistry 1; General Chemistry	3
Physics 1; General Physics.....	3	Physics 1a; Precision of Meas- urements, first term.....	1
E. E. 3a, Drawing.....	2	Physics 1b; Laboratory Work...	
M. E. 1d, b Shop Work.....	2	Physics 2; 1 hour, first term; 3 hours, second term; Extension of Course 1.....	1½ 2
Physics 1a, second term.....	1	M. E. 1c, e, Shop Work.....	2
		C. E. 1, Descriptive Geometry, first term.....	2

JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics 6; Calculus, Differ- ential Equations.....	3	E. E. 8, Alternate Current The- ory; and E. E. 9, Polyphase Electric Currents.....	3 2
English 2, or French 1, or Ger- man 1, or Spanish 1.....	3	E. E. 6, Electric Laboratory....	2
E. E. 7, Dynamo Electric Mach- inery.....	3	E. E. 4, Technical Drawing.....	2
Physics 2a, Laboratory Work...	2	E. E. 11, Telegraphy and Tele- phony.....	2
M. E. 3, Technical Drawing....	2	M. E. 5, Steam Machinery, first term.....	3
M. E. 4, Mechanics.....	4	M. E. 6, Mechanical Laboratory, first term; and E. E. 10, Elec- tric Railways, second term...	2
		Elective.....	2 & 5
		Thesis.....	

COURSE IN CIVIL ENGINEERING FOR THE DEGREE OF B. C. E.

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics 1, 2.....	5	Mathematics 4, 5.....	5
Chemistry 1.....	3	C. E. 2, 3, Surveying.....	3
English 1.....	3	English 2, French, German, or Spanish 1.....	3
C. E. 8, Lettering.....	2	Physics 1.....	3
C. E. 1a, Drawing	2	C. E. 1, Descriptive Geometry, first term.....	2
		C. E. 4, Highway Construction, second term.....	1
		Architectural Drawing, second term.....	1

JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics 6, Calculus.....	3	C. E. 15, Field Practice.....	2
M. E. 4, Mechanics.....	4	C. E. 14, Engineering Labora- tory, first term.....	2
C. E. 5, Railroad Engineering..	2	C. E. 11, Sanitary Engineering, first term.....	2
C. E. 6, Field Practice.....	2	C. E. 12, Technical Drawing....	2
C. E. 8a, Technical Drawing....	2	C. E. 13, Waterworks Engineer- ing, second term	3
M. E. 9, Hydraulics, second term.....	2	C. E. 9, Masonry Construction, first term.....	2
*Elective, first term.....	4	C. E. 10, Roofs and Bridges	4 & 3
Second term	2	Geology 5, Blowpipe Analysis, second term.....	2
		*Elective.....	3
		Thesis.....	.....

* Electives can be taken only on the approval of the professor,

COURSE IN CHEMICAL ENGINEERING FOR THE DEGREE OF B. Ch. E.

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics 1, 2; Solid Geometry. Trigonometry, Algebra, Analytic Geometry.....	5	Mathematics 4, 5; Algebra, Analytic Geometry, Calculus	5
Chemistry 1; General Chemistry	3	English 2; Advanced Composition	3
English 1; Elementary Composition	3	Chemistry 2; Inorganic Chemistry	2
M. E. 1 <i>b, c, d</i> ; Founding, Forging, Pattern Making.....	3	Chemistry 3 <i>a</i> ; Elementary Qualitative Analysis.....	3
M. E. 2, Drawing	2	Physics 1; Elementary Physics	3
		Physics 1 <i>a</i> ; Measurements of Precision, second term.....	1
		M. E. 1 <i>e</i> ; Iron Working.....	1

JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics 6; Calculus, first term.....	3	Chemistry 7 <i>a</i> ; Advanced Quantitative Analysis	3
Chemistry 4; Organic Chemistry.....	4	Chemistry 8; Theoretical Chemistry.....	2
Chemistry 5; Elementary Quantitative Analysis	3	M. E. 5; Steam Machinery.....	3
M. E. 3; Elementary Machine Design	3	E. E. 5; Electrical Laboratory..	2
M. E. 4; Theoretical Mechanics, first term. Mechanics of Materials, second term.....	4	C. E. 11; Sanitary Engineering, first term.....	2
Physics 1 <i>b</i> ; Laboratory Work..	1½	Chemistry 9; Assaying, second term.....	3
Geology 5 <i>b</i> ; Mineralogy, second term.....	3	Chemistry 13; Water Analysis, first term.....	3
		Thesis, second term.....	2

SPECIAL COURSE FOR THE DEGREE OF B. S. C.

FRESHMAN YEAR.	Hrs. per week.	SOPHOMORE YEAR.	Hrs. per week.
Mathematics, 1.....	3	Mathematics, 4, 5	5
Physics, 1.....	3	Economics, 1; first term, 3.....	1½
Chemistry, 1.....	3	French, 1.....	3
Chemistry, 3; second term, 3.....	1½	German, 2.....	3
English, 1.....	3	Chemistry, 2.....	2
German, 1.....	3	Chemistry, 5.....	3
		Physics, 1a; second term	1

JUNIOR YEAR.	Hrs. per week.	SENIOR YEAR.	Hrs. per week.
Mathematics, 6; first term, 1....	1½	Biology, 4; first term, 4	2
Geology, 5b; second term, 3	1½	Geology, 7; first term, 3	1½
Physics, 1b.....	1½	Chemistry, 7.....	3
Chemistry, 4.....	4	Chemistry, 9; first term, 3.....	1½
Chemistry, 5.....	5	Chemistry, 13; second term, 3 ..	1½
Chemistry, 8.....	3	Chemistry, 14; second term, 2 ..	1
		Business Law, first term, 3	1½
		Thesis.....	2
		Elective.....	2
		Journal Meeting	

COURSE IN MINING ENGINEERING FOR THE DEGREE OF B. Mi. E.

FRESHMAN YEAR.	Cr.	SOPHOMORE YEAR.	Cr.
Chemistry 1; General Inorganic Chemistry.....	3	Chemistry 3; Qualitative Analysis.....	3
Physics 1; Lectures in General Physics.....	3	C. E. 1; Descriptive Geometry, two hours, first term.....	1
Mathematics 1, 2; Solid Geometry, Trigonometry, Algebra.....	5	Mathematics 4, 5; Analytical Geometry, Algebra, Calculus.....	5
English 1; English Composition.....	3	Geology 2; General Geology.....	3
C. E. 1a; Special Drawing, two hours, first term, and three hours, second term.....	2½	Geology 5; Crystallography, Mineralogy, and Blowpipe Analysis.....	3
		Mining 1; Elementary Study of Mining Methods, two hours, second term.....	1
JUNIOR YEAR.	Cr.	SENIOR YEAR.	Cr.
Physics 1b; General Laboratory Mathematics 6; Calculus, three hours, first term.....	1½	Chemistry 5; Quantitative Analysis.....	3
C. E. 2, 3; Surveying.....	1½	Chemistry 9; Assaying, three hours, second term.....	1½
M. E. 4; Mechanics.....	3	Chemistry 12; Metallurgy, three hours, first term.....	1½
M. E. 9; Hydraulics, two hours, second term.....	4	M. E. 5; Engines and Boilers... ..	1½
E. E. 12; Direct Current Machinery, three hours, first term....	1	E. E. 5; Electrical Laboratory..	1
Geology 3; Field Work, two hours, second term.....	1½	Geology 7; Economic Geology, three hours, second term.....	1½
Geology 8; Rocks and Metamorphism, two hours, second term.....	1	Mining 3; Advanced Mining....	3
Mining 2; Details of Mining Operations, two hours, first term, and three hours, second term.....	1	Mining 4; Engineering Problems of Mines.....	3
	2½	Mining 8; Ore Dressing.....	2

Requirements for the Masters' Degrees

1. That before a student is admitted to candidacy for a master's degree he shall have received the corresponding bachelor's degree from this University or another institution in which the course of study is fully equivalent.

2. That not less than one year intervene between the conferring of the bachelor's and the master's degree.

3. That a course of study in one major, and not more than two minor, subjects, aggregating with a thesis sixteen hours, be pursued in residence, and that fourteen of the sixteen hours be taken regularly in the class room.

4. That the major subject, occupying, with the thesis, eight hours, shall be at least third-year work in a subject in which the candidate has at least six hours' credit.

5. That six hours' additional work shall be selected in not more than two closely related subjects, in each of which the candidate must have received at least six hours' credit.

6. That all work credited toward a master's degree must be done after the corresponding bachelor's degree has been received.

7. That in computing credit for a master's degree three hours of laboratory work shall be equivalent to one hour of recitation.

8. That the candidate write a satisfactory thesis in the major subject, the theme of which shall be approved by the head of the department six months before the final examination. For the thesis a credit of two hours shall be given.

9. That the candidate shall hand the thesis to the professor in charge of the major subject on or before the 15th of May. Before his final examination the candidate shall be questioned on his thesis by a committee composed of the professors in charge of the major and minor subjects, and a professor of another department, to be designated by the faculty.

Requirements for the Degrees of C. E., M. E., E. E., and Ch. E.

These courses of study are intended to give those students who have finished an undergraduate course in engineering additional preparation to some special line of work to which their previous study has led. The student will have all reasonable liberty in selecting such specialties and will be limited only by certain general requirements. He will be required at the beginning of the year to make up the course which he proposes to follow, and to present it, approved by the instructors concerned, to the faculty. If accepted, it will be subject to change only by the faculty. In general, it is expected that these courses shall comprise one principal subject based on the course already pursued, and two secondary subjects, one or both of which should be closely related to the principal. The graduate course should amount to not less than fifteen recitation hours per week as counted in undergraduate work.

The subject of a thesis for any of the above-mentioned degrees must be submitted to the faculty for approval before the middle of the second term.

These degrees will also be given to graduates in civil, mechanical, electrical, and chemical engineering who have been in successful practice of their profession for three years, and who have submitted a satisfactory thesis on a subject approved by the professor in charge.

Charges.—Graduate students pay ten dollars for matriculation and registration, ten dollars for tuition (non-residents, five dollars) at the beginning of each session, and ten dollars in advance for the final examination. Students who fail to comply with any of these requirements, or who do not each year complete the equivalent of two terms' work in one subject, will be dropped from the rolls. Should such students desire to resume their studies, they must pay for matriculation and registration, as if beginning for the first time. The diploma fee is five dollars in advance in each case.

Graduates attending only undergraduate classes pay the same fee as undergraduates.

Non-resident students have such assistance and instruction in their studies as can be conveniently given by correspondence.

Courses of Study Leading to Certificates

In pedagogy, mechanical engineering, electrical engineering, and music there are the following courses of study, the completion of which entitles the student to a certificate:

NORMAL COURSE.

The certificate of licentiate of instruction (L. I.) has been established by the board of trustees as a testimonial of one's knowledge of educational principles, and proficiency in the art of teaching. There are two conditions upon which the certificate of licentiate of instruction is granted:

First. To those who complete either of the prescribed courses of study as given on pp. 78, 79.

Second. To those candidates for the B. A. and B. S. degrees who have completed the Sophomore year, and who have elected ten hours of professional training work in the department of pedagogy, under the guidance of the head of the department.

At the last session of the general assembly the following bill was passed:

Be it enacted by the General Assembly of Arkansas:

"SECTION 1. That the diplomas from the teachers' training department of the University of Arkansas shall be equivalent to a teacher's professional license, which shall entitle the holder to teach in any public school of the state of Arkansas for a period of six years from and after the date of issue, and at the expiration of that time said diploma may be converted into a life certificate, provided the character of the work done by the holder thereof and his or her moral character meet with the approval of the State Superintendent of Public Instruction of the state of Arkansas.

"SEC. 2. That this act be in force from and after its passage."

The foregoing law entitles the graduates of the University normal department to teach in any county in the state for a period of six years; and if the character of the work done is satisfactory

to the State Superintendent of Public Instruction, the certificate of licentiate of instruction may be converted into a life certificate. This offers special inducements to those who anticipate teaching to attend the University normal department until they have been granted this certificate.

Admission to the University Normal Course.

The course of study covers four years, the first two of which may be done in the various high schools accredited to the University, or in other schools of equal rank.

Those holding teachers' licenses and public school certificates will not be examined in those subjects named in the certificates.

The requirements for admission to the first year class are the same as those required for admission to the first year class in the Preparatory School. See page 121.

Normal Course with Latin.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
Arithmetic	2	Algebra	2
Algebra	3	Plane Geometry	4
English	4	English	4
U. S. History	3	Greek and Roman History	3
Beginners' Latin.....	4	Second Year Latin	4
Pedagogy, 2a	1	Pedagogy, 2b.....	1
Total	17	Total	18

THIRD YEAR.	Hrs. per week.	FOURTH YEAR.	Hrs. per week.
English, 1.....	3	English, 2	3
Latin, 1	3	Pedagogy, 5 and 6.....	5
History, 2	3	Singing and Drawing.....	2
Math., 1 (Solid Geom.)	1½	Horticulture and Agriculture, 4h	2
Pedagogy, 1, 4, 3.....	5	Economics, 1, or Science (elective)	3
Total	15½	Total	15

Normal Course with Science.

FIRST YEAR.	Hrs. per week	SECOND YEAR.	Hrs. per week.
Arithmetic	2	Algebra	2
Algebra	3	Plane Geometry	4
English	4	English	4
U. S. History	3	Greek and Roman History	3
Civil Government	2	Elementary Physics	3
Physiology	2	Pedagogy, 2 <i>b</i>	1
Pedagogy, 2 <i>a</i>	1		
Total	17	Total	17

THIRD YEAR.	Hrs. per week.	FOURTH YEAR.	Hrs. per week.
English 1	3	English 2	3
History 2	3	Pedagogy 5 and 6	5
Biology 1	3	Singing and Drawing	2
Pedagogy 1, 4, 3	5	Hort. and Agr. 4 <i>h</i>	2
Science or German. 1	3	Science (Elective) or German, 2	3
Total	17	Total	15

All work done in the foregoing courses, excepting singing and drawing, is also credited on the B. A. or B. S. course. After having completed the normal course, one may, after two years of further study, receive the B. A. or B. S. degree. The completion of the first two years in either of the foregoing courses is presumed to prepare one to pass the examination for the professional license, issued by the State Superintendent of Public Instruction.

MECHANIC ARTS COURSE.

This course of two or three years, according to the preparation of the student, is designed to meet the wants of two classes of young men:

First. Those who are not able to spend the time required for the completion of the four years' course.

Second. Those who lack the necessary preparation for admission to the collegiate classes, and do not wish to become candidates for a degree.

Special attention is given to instruction in shop work and drawing, sufficient time being given to the former to enable a student to become familiar with all its branches, and to acquire proficiency in some chosen one. The time spent in the drawing

room will enable the student to make and understand machine drawings.

In the last year the technical instruction is designed to give such an elementary knowledge of mechanics, machine design and steam machinery as will enable the student to use and care for machinery intelligently. No diploma is awarded, but a certificate will be given on the completion of the course.

Students taking the mechanic arts course will be prepared to enter the Freshman class in engineering at the end of the second year if they complete second year English and can pass the examination on United States History.

Course for Certificate in Mechanic Arts.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
Mathematics; First Year Preparatory.....	5	Mathematics; Second Year Preparatory.....	5
English: First or Second Year Preparatory.....	4	M. E. 4a; Mechanics and Hydraulics.....	4
Drawing; M. E. 2.....	3	M. E. 2; Mechanical Drawing..	2
Shop Work.....	3	Shop Work.....	6

	THIRD YEAR.	Hrs. per week.
	M. E. 3, 5a; Machine Design and Steam Machinery	5
	M. E. 6; Mechanical Laboratory	2
	E. E. 12; Electrical Machinery.	3
	E. E. 5; Electrical Laboratory.	2
	Shop Work	4

*SHORT COURSE IN ELECTRICAL ENGINEERING.

This two years' course is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only the necessary mathematics, which, with electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice, in the shortest possible time.

*Candidates for this course should be at least sixteen years old and have a fair knowledge of the common school branches, especially arithmetic and algebra.

This course prepares students for practical work, such as constructing, operating, superintending, or managing lighting, power, or manufacturing plants. It does not lead to a degree, but a suitable certificate will be given on completion of the work.

Course for Certificate in Electrical Engineering.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
E. E. 1; Electrical Engineering.	5	E. E. 12; Electrical Machinery.	3
E. E. 3 <i>a</i> ; Drawing.....	2	E. E. 3; Technical Drawing....	2
M. E. 1 <i>d, b</i> ; Shop Work.....	3	E. E. 5; Electrical Laboratory.	2
Mathematics; Second Preparatory Algebra and Geometry..	6	M. E. 5 <i>a</i> ; Steam Engines and Boilers.....	3
		M. E. 1 <i>c, e</i> ; Shop Work.....	3
		Mathematics; 1 and 2 Geometry; Algebra; Trigonometry.....	4

COURSE IN MUSIC.

The course in music leads to a certificate. See pp. 131-2.

*Description of Collegiate Courses

ANCIENT LANGUAGES.

J. C. FUTRALL, *Professor.*

Latin.

1. CICERO'S ORATIONS AND VIRGIL (4).—An accurate knowledge of the Latin forms is insisted upon; Barss's Writing Latin, Book 2. *For Freshmen.* M. T. W. Th. 1 and 2.

2. CICERO AND LIVY (3).—Cicero's *de Amicitia et de Senectute*; Livy, Burton's Selections; Nutting's Advanced Latin Composition; sight reading; Roman literature. *For Sophomores.* M. W. F. 3.

3. ROMAN PUBLIC AND PRIVATE LIFE (2).—Selections from Cicero, Pliny, Juvenal and Martial. *Prerequisite:* Course 2.

*The number to the left of the description of a course is the number of the course; the number to the right is the number of hours per week that the course is given. In general, two hours of laboratory work are considered as the equivalent of one hour of recitation. Thus a course that has two hours per week of recitation work and two hours of laboratory work is a three hour course. Unless the contrary is stated in the description of a course, all courses run throughout the year.

3a. PROSE COMPOSITION (1).—The translation of connected passages of idiomatic English into idiomatic Latin. *Prerequisite: Course 2. W. 4.*

4. HORACE AND TACITUS (2).—Horace, Odes and Epodes; Tacitus, Annals; parallel and sight reading; the metres of Horace. *Prerequisite: Course 2. T. 3; F. 4.*

5. ROMAN POETS (3).—Readings will be taken from Plautus, Terence, Catullus, Horace, Juvenal, and others, and the attention of the student will be directed rather to the literary side of the authors read than to grammatical and syntactical peculiarities. The metres of Plautus and Terence will be carefully studied. Course 5 may be taken twice and counted towards a degree, as the readings will be changed in successive years. *Prerequisite: Course 3a and 4 or 6.*

Text-books. Bennett's and Gildersleeve's Grammars; Wilkins' Primer of Roman Literature; Cruttwell's Roman Literature. Any approved edition of the Latin authors may be used, except when certain editions are prescribed. Lexicons: Harper, Lewis, White.

GREEK.

1. ELEMENTARY COURSE (3).—White's Beginner's Greek Book, with selections for reading. A thorough mastery of the forms and constructions given in this book is required. *For Freshmen. M. T. Th. 4.*

2. XENOPHON AND LYSIAS (4).—This course is intended to familiarize the student with all the ordinary Attic forms and constructions; frequent exercises in oral and written translation of English into Greek, based upon the text read, are given, and some practice in sight reading; Goodwin's Grammar. *For Sophomores. M. W. Th. F. 1.*

3. HOMER AND PLATO (3).—Systematic study of the grammar; prose composition; Greek literature; sight reading. *Prerequisite: Course 2. T. Th. 1; M. 4.*

4. THUCYDIDES AND THE DRAMA (3).—This course will be conducted on the same plan as Latin 5. *Prerequisite: Course 3.*

Text-books. Goodwin's Revised Greek Grammar; Goodwin's Greek Moods and Tenses; Pearson's Prose Composition; Higley's Exercises in Greek Composition. Any approved edition of the Greek authors may be used, except when certain editions are prescribed. Liddell and Scott's Lexicons are recommended.

ENGLISH AND MODERN LANGUAGES.

J. W. CARR, *Professor*.E. F. SHANNON, *Associate Professor*.A. MARINONI, *Adjunct Professor*.MRS. E. M. BLAKE, *Instructor*.A. L. HARVEY, *Instructor*.

English.

FRESHMAN YEAR.

I. ELEMENTARY COMPOSITION AND LITERARY HISTORY (3).—A. S. Hill's *Principles of Rhetoric* (revised and enlarged edition), and Simonds's *History of English Literature*. Recitations, weekly impromptu themes based upon assigned reading, and other written exercises; memorizing of Gray's *Elegy*; Goldsmith's *Deserted Village*; Dryden's *Alexander's Feast* and *Song for St. Cecilia's Day*; and assigned reading as follows:

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publ'r's Price Postp'd.
Oct. 2.....		Beowulf.....	Riverside, 159 ....	.15
Oct. 9.....		Beowulf.....		
Oct. 15...Wyclif-				
	Mandeville.....	Selections.....	Maynard, 107.....	.12
Oct. 23...Chaucer.....		Prologue	Riverside, 135 ....	.15
Oct. 30...Chaucer.....		Prologue		
Nov. 6...Malory.....		King Arthur, Books I, II...	Riverside, 158 ....	.15
Nov. 13...Spenser		Faerie Queene, Cantos I,		
		II	Maynard, 27.....	.12
Nov. 20...Shakspeare		Henry V.....	Riverside, 163 ....	.15
Nov. 27...Shakspeare		Henry V.....		
Dec. 4...Bacon		Essays, Civil and Moral...	Maynard, 3.....	.12
Dec. 11...Milton.....		Paradise Lost, Book I.....	Riverside, 94 ....	.15
Dec. 18...Dryden		Palamon and Arcite	Riverside, 125 ....	.15
Jan. 8...Addison.....		Spectator, Selections	Maynard, 66.....	.12
Jan. 15...Swift		Gulliver's Travels (Lilliput)...	Riverside, 89 ....	.15
Jan. 22...Pope		Rape of the Lock.....	Riverside, 147 ....	.15
Feb. 5...Goldsmith.....		The Good Natured Man...	Cassell & Co.....	.15
Feb. 12...Burns		Cotter's Saturday Night,		
		etc.....	Riverside, 77 ....	.15
Feb. 19...Wordsworth		Intimations of Immortality.	Riverside, 76 ....	.15
Feb. 26...Scott		Lady of the Lake.....	Maynard, 20.....	.12
Mch. 5...Byron		Prisoner of Chillon, etc.....	Riverside, 128 ....	.15
Mch. 12...Keats		Eve of St. Agnes, etc.....	Riverside, 127 ....	.15

Date of Recitation.	Author.	Assigned Reading.	Edition.	Publ'rs Price Postp'd.
Mch. 19..	Lamb	Selected Essays of Elia.....	Riverside, 79 .....	.15
Mch. 26..	De Quincey.....	Joan of Arc, English Mail Coach	Riverside, 164 .....	.15
Apr. 2 ...	Macaulay	Boswell's Life of Johnson..	Maynard, 106.....	.12
Apr. 9 ...	Carlyle.....	Essay on Burns.....	Riverside, 105 .....	.15
Apr. 16 ..	Ruskin	Sesame and Lilies	Riverside, 142 .....	.15
Apr. 23 ..	Matthew Arnold ..	Sohrab and Rustum	Riverside, 132 .....	.15
Apr. 30 ..	Dickens	Christmas Carol	Riverside, 57 .....	.15
May 7 ...	Thackeray	Roundabout Papers	Maynard, 50.....	.12
May 14 ..	George Eliot.....	Adam Bede, Selections....	Maynard, 67.....	.12
May 21 ..	Browning	Pied Piper of Hamelin, etc..	Riverside, 115 .....	.15
May 28 ..	Tennyson	Enoch Arden, etc.....	Riverside, 73 .....	.15

Publishers' Addresses: (Riverside) Houghton, Mifflin & Co., branch in Chicago, Ill.; (Maynard), Maynard, Merrill & Co., branch in Chicago, Ill.; Cassell & Co., New York City.

Students should secure the books for assigned reading early, either by ordering through a bookseller, or by sending money orders or stamps to the publishers mentioned above. The excuse will not be accepted that books were ordered through a bookseller but not received.

The class will meet in six sections every Tuesday at the first, second, and sixth periods respectively, for instruction in the History of English Literature. For writing and rewriting themes, and for recitations in rhetoric and poetry, the class is divided into twelve sections, meeting each twice a week, as follows: M. Th. 1; W. F. 1; M. Th. 2; W. F. 2; M. Th. 3; W. F. 3; M. Th. 4; W. F. 4; M. Th. 6; W. F. 6; M. Th. 7; W. F. 7. *Required of all Freshmen.*

PROFESSORS CARR AND SHANNON;
INSTRUCTORS BLAKE AND HARVEY.

SOPHOMORE YEAR.

2. ADVANCED COMPOSITION; OUTLINE HISTORY OF THE LYRIC, THE EPIC, THE DRAMA, THE NOVEL, AND THE ESSAY; ELEMENTARY ANGLO-SAXON (3).—Barrett Wendell's *Composition* and Smith's *Old English Grammar*. Recitations, lectures, informal discussions, weekly impromptu themes based upon the assigned reading, long themes (two narrative, two descriptive, two expository, and

two argumentative), due on the third Tuesday of each month from October to May inclusive; and assigned reading as follows:

Lyric Poetry.

Date of Lecture.	Gen'l Subject.	Assigned Reading.	Edition.	Publ'rs Price. Postp'd.
Oct. 2.....	Lyric and Song.....	Lyrics and Songs in the Golden Treasury (1861).....	Macmillan .....	.25
Oct. 9.....	Sonnet	Sonnets in the Golden Treasury, and English and American Sonnets.....	Maynard, 192.....	.12
Oct. 16.....	Ode	Odes in the Golden Treas- ury		
Oct. 23.....	Dirge.....	Lycidas (1637), Golden Treasury		
		Adonais (1821).....	Maynard, 85.....	.12
		In Memoriam (1850).....	Maynard, 57.....	.12

Epic Poetry.

Oct. 30.....	Ballad of Growth.....	Old English Ballads	Macmillan .....	.25
Nov. 6.....	Ballad of Art.....	Lays of Ancient Rome (1847)	Cassell & Co.....	.10
Nov. 13....	Folk Epic	Beowulf.....	D. C. Heath & Co.	.25
Nov. 20....	Barnyard Epic.....	Nun's Priest's Tale (1385).....	Riverside, 136.....	.15
Nov. 27....	Allegorical Romance	Faerie Queene (1589).....	Riverside, 160.....	.15
Dec. 4.....	Religious Epic.....	Paradise Lost, Books I. to III. (1667)	Riverside, 94.....	.15
Dec. 11....	Sophisticated Ro- mance	Marmion (1808).....	Cassell & Co.....	.10
Dec. 18....	Epic Romance.....	Idylls of the King (1888).....	Riverside, 99.....	.15

Drama.

Jan. 8.....	Late XVI. Century Drama.....	Jew of Malta (1588).....	Maynard, 101.....	.12
Jan. 15....	Early XVII. Cen- tury Drama.....	Hamlet (1603)	Cassell & Co.....	.15
Jan. 22....	Early XVIII. Cen- tury Drama.....	Cato (1713)	Maynard, 92.....	.10
Feb. 5.....	Late XVIII. Cen- tury Drama.....	She Stoops to Conquer (1773)	Cassell & Co.....	.10
Feb. 12....	Sheridan, last of the British Drama- tists.....	The Rivals (1775).....	Cassell & Co.....	.15

Novel.

Feb. 19....	Arthurian Romance	Malory's Morte d'Arthur (1485), Books I., II.....	Riverside, 158.....	.15
Feb. 26....	Elizabethan Romance	Lodge's Rosalind (1590).....	Cassell & Co.....	.10

Date of Lecture.	Gen'l Subject.	Assigned Reading.	Edition.	Publ'r's Price, Postp'd.
Mch. 5...	Allegorical Novel	Bunyan's Pilgrim's Progress (1678-1684).....	Riverside, 109.....	.30
Mch. 12...	XVIII. Century Realism.....	Richardson's Clarissa Harlowe (1747-1748)....	H. Holt & Co.....	
Mch. 19...	Gothic Romance..	Walpole's Castle of Otranto (1764).....	Cassell & Co.....	.10
Mch. 26...	XIX. Century Romance.....	Scott's Quentin Durward (1823).....	Baker & Taylor Co..	
Apr. 2...	Humanitarian Novel	Dicken's Oliver Twist (1837).....	Baker & Taylor Co..	.27
Apr. 9...	XIX. Century Realism.....	Thackeray's Vanity Fair (1847).....	Baker & Taylor Co..	
Apr. 16...	Psychological Novel	Eliot's Scenes of Clerical Life (1858)	Baker & Taylor Co..	
Apr. 23...	Contemporary Romance	Stevenson's Treasure Island (1883)	Macmillan.....	.25

Essay.

Apr. 30...	Bacon, first Eng- lish Essayist	Essays (1625).....	Cassell & Co.....	.10
May 7...	Early XVIII. Cen- tury Essay	Addison's Essays and Tales (1709-14)	Cassell & Co.....	.10
May 14...	Early XIX. Cen- tury Essay	Lamb's Essays of Elia (1823).....	Riverside, 79.....	.15
May 21...	Mid-Century Essay	Warren Hastings (1841) ..	Cassell & Co.....	.10
May 28...	Late XIX. Cen- tury Essay	Mathew Arnold's Culture and Anarchy (1869)	Maynard, 68.....	.10

Publishers' Addresses: The Macmillan Co., New York City, and Dallas, Tex.; (Maynard) Maynard, Merrill & Co., Chicago, Ill.; Cassell & Co., New York City; D. C. Heath & Co., Chicago, Ill.; (Riverside) Houghton, Mifflin & Co., Chicago, Ill.; Baker & Taylor Co., New York City; H. Holt & Co., Chicago, Ill.

Students should secure the books for assigned reading early, either by ordering through a bookseller, or by sending money orders or stamps to the publishers mentioned above. The excuse will not be accepted that books were ordered through a bookseller but not received.

The class will meet every Tuesday forenoon at the third period (10-20-11:15) for instruction in the Outline History of English

Literary Forms. For recitations and informal discussions in advanced rhetoric and elementary Anglo-Saxon, the class is divided into three sections, meeting each twice a week. Th. M. 2; Th. F. 3; Th. M. 4. *Required of all Sophomores in the B. A. and B. S. Courses; elective for others who have credit for English 1.* PROFESSOR SHANNON AND INSTRUCTOR HARVEY.

3. AMERICAN LITERATURE (2).—Especial attention will be devoted to Franklin, Irving, Cooper, Bryant, Emerson, Hawthorne, Longfellow, Whittier, Poe, Holmes, Thoreau, Lowell, Whitman, Aldrich, Burroughs, Dana, Higginson, Howells, Taylor, Warner, Webster, Paulding, Lanier, Simms, Kennedy, Timrod, Page, Allen, Cable, Harris, and Clemens. *Open to Sophomores who have credit for English 1.* This course may be elected for either one term or two terms. M. F. 7. MRS. E. M. BLAKE

JUNIOR YEAR.

4. ADVANCED COMPOSITION (2).—This course provides a continuation of the composition work of English 2. Especial attention will be devoted to argumentation. *Open to Juniors who have credit for English 2.* W. F. 2. ASSOCIATE PROFESSOR SHANNON.

8. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY (2).—English literature from the death of Dryden to the publication of the Lyrical Ballads (1700-1798). *Open only to Juniors who have credit for English 2, and, in 1906-1907 only, to Seniors who have credit for English 2.* M. F. 6.

ASSOCIATE PROFESSOR SHANNON.

9. ENGLISH LITERATURE OF THE NINETEENTH CENTURY (2).—English literature from the publication of the Lyrical Ballads to the death of Queen Victoria (1798-1901.) *Open only to Juniors who have credit for English 2.* M. F. 5. MRS. E. M. BLAKE.

10a. MIDDLE ENGLISH (2).—Emerson's Middle English Reader; selections from Chaucer; Emerson's History of the English Language. *Open only to Juniors who have completed English 2 as given in 1905-1906.* M. 1, F. 3. PROFESSOR CARR.

SENIOR YEAR.

6a. ENGLISH LITERATURE OF THE SIXTEENTH CENTURY (2).—Special attention will be paid to the period beginning with Tottel's

Miscellany, and ending with the death of Spenser (1557-1599).
Prerequisite: English 8, 9 or 10a. Omitted in 1906-1907. M. F. 6.

ASSOCIATE PROFESSOR SHANNON.

7a. ENGLISH LITERATURE OF THE SEVENTEENTH CENTURY (2).—English literature from the death of Spenser to the death of Dryden (1599-1700). The introductory work will deal largely with Shakspeare. *Prerequisite: English 6a, 9 or 10a. M. F. 7.*

INSTRUCTOR HARVEY.

11a. ANGLO SAXON (2).—In 1906-1907 a special study will be made of the works attributed to Cynewulf. *Open to Seniors who have completed English 10a; required of those Seniors whose major subject is English. T. Th. 7.*

PROFESSOR CARR.

German.*

1. ELEMENTARY COURSE (3).—Lange's *German Method*; translation from German into English; elementary exercises in translation into German; memorizing of easy German songs. M. T. Th. 1; M. W. F. 3; T. W. F. 4; T. W. Th. 6; T. W. Th. 7.

ASSOCIATE PROFESSOR SHANNON AND ———.

2. GERMAN PROSE AND POETRY (3).—Review of grammatical principles with especial reference to syntax; reading of works by modern authors; composition; sight reading; assigned reading; memorizing of German songs. *Prerequisite: German 1, or 2 years' study of German in a preparatory school. M. W. F. 4; T. W. Th. 6.*

PROFESSOR CARR.

*2a. INTERMEDIATE GERMAN COMPOSITION (2). Poll's *German Prose Composition*; von Jagemann's *German Syntax*; Vos's *Materials for German Conversation. Prerequisite: German 1. M. W. 3.*

PROFESSOR CARR.

*3a. HISTORY OF GERMAN LITERATURE with special study of the classic periods of the twelfth and eighteenth centuries (3).—Kluge's *Deutsche National-Litteratur*; assigned reading; a Ger-

*NOTE.—German and English classes requiring the entire time of one teacher, but necessary to meet the demand now made by collegiate students, will have to be omitted from the list of work announced for the year 1906-1907, if a teacher of German is not added to the present departmental force. In other words, German 2a, 3a, 3b, and 4b and three or more classes in English will have to be given up, if there is no additional teacher of German. In 1905-1906 there were 135 students in Freshman German, and 180 in Freshman English.

man theme each week. Composition. *Prerequisite: German 2.*
M. W. F. 3. PROFESSOR CARR.

3b. ADVANCED GERMAN COMPOSITION (2).—Von Jagemann's German Prose Composition and Syntax; Kron's German Daily Life. Practice in conversation and original composition. *Prerequisite: German 2.* T. Th. 5. PROFESSOR CARR.

4a. LESSING, GOETHE, AND SCHILLER. Lessing's *Minna von Barnhelm* and *Emilia Galotti*; Goethe's *Leiden des jungen Werther* and *Faust*; Schiller's *Wilhelm Tell* and *Die Jungfrau von Orleans*; Rolleston's *Lessing*, Sime's *Goethe*, and Nevinson's *Schiller*; composition and assigned reading. *Prerequisite: German 3a.* M. W. F. 2. PROFESSOR CARR.

4b. MIDDLE HIGH GERMAN AND OLD HIGH GERMAN (2).—Paul's *Mittelhochdeutsche Grammatik* and the *Nibelungenlied*, the first term; Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*, the second term; translation both terms into modern German only. *Prerequisite: German 3a.* T. Th. 7. PROFESSOR CARR.

ROMANCE LANGUAGES.*

French.

1. ELEMENTARY COURSE (3).—Downer's *Grammar*; Malot's *Sans Famille*; Halévy's *l'Abbé Constantin*. Composition; sight reading; conversation. M. T. Th. 1; M. W. Fr. 2; T. W. Th. 7. ADJUNCT PROFESSOR MARINONI.

2. FRENCH PROSE AND POETRY (3).—Selected works of Musset, Sand, Daudet, Dumas, Balzac, and V. Hugo. Composition; reading at sight; assigned reading. M. W. Fr. 3. ADJUNCT PROFESSOR MARINONI.

3b. HISTORY OF FRENCH LITERATURE (3).—The purpose of this course is to give a survey of the French Literature with special attention to the seventeenth century. Lectures; reading; com-

*NOTE.—French and Spanish courses, requiring the entire time of one teacher, but necessary to meet the demand now made by collegiate students, will have to be omitted from the list of courses announced for the year 1906-1907, if a teacher of French and Spanish is not added to the present departmental force. In other words, fourth year French, second year Italian, and two sections each of first year French and Spanish—six of the twelve announced classes—will have to be withdrawn, if there continues to be only one teacher of Romance languages. In 1905-1906 the undivided beginners' classes in French and Spanish numbered fifty (50) collegiate students each.

position. The course will be conducted in French as far as possible. *Prerequisite:* French 2. M. W. Fr. 6.

ADJUNCT PROFESSOR MARINONI.

4. FRENCH LITERATURE OF THE NINETEENTH CENTURY (3).—The romantic movement in France will be studied in all its manifestations as a part of the greater European movement. Lectures and written reports. If possible, the course will be conducted in French. *Prerequisite:* French 2.

5a. FRENCH DRAMA (1).—Lectures; written reports; reading. In this course the origins and development of the French drama and theater in France will be studied systematically. The various dramatic theories from the seventeenth century to our days will be analyzed and discussed.

ADJUNCT PROFESSOR MARINONI.

6a. FRENCH SYNTAX (1).—French syntax will be studied from the historical standpoint. *Grammaire raisonnée de la Langue française* par Léon Cledat. ADJUNCT PROFESSOR MARINONI OR—

7a. OLD FRENCH (1).—Old French grammar; general reading of Old French; Bartsch's *Chrestomathie de l'Ancien Français*.

ADJUNCT PROFESSOR MARINONI OR—

Spanish.

1. ELEMENTARY COURSE (3).—Loiseaux's Grammar; Padre Isla's *Gil Blas* and other easy texts. Composition; conversation; reading at sight. M. T. Th. 1; M. T. Th. 3; M. T. Fr. 5.

ADJUNCT PROFESSOR MARINONI AND—

2. SPANISH PROSE AND POETRY (3).—In this course representative authors of the nineteenth century will be read, and special attention will be given to drill in the use of the language.

ADJUNCT PROFESSOR MARINONI OR—

Italian.

1. ELEMENTARY COURSE (3).—Grandgent's Grammar; Ugo Fruttelli's *Antologia di prose e poesie moderne*; composition; reading at sight; conversation. T. W. Fr. 4.

ADJUNCT PROFESSOR MARINONI.

2. NINETEENTH CENTURY PROSE AND POETRY (3).—Selections from the best productions of the nineteenth century will be

read. Composition; sight reading; conversation. Snell's Primer of Italian Literature. T. Th. Fr. 2.

ADJUNCT PROFESSOR MARINONI.

ENGLISH AND MODERN LANGUAGE GROUPS.

Those students who select their major subject in the department of English and Modern Languages, but did not offer a modern language for admission to college may choose any one of the five groups of studies mentioned below. Students who offered a modern language (but no ancient language) for admission, will substitute six hours of a modern language for the work already completed in modern languages. Before classifying, those students whose major subject is taken in the department of English and Modern Languages are required to consult with the head of the department.

GROUP I. (ENGLISH).—English 1 and German 1 in the Freshman year; English 2 and 3, and German 2 in the Sophomore year; English 8, 9, and 10*a*, and French 1 in the Junior year; English 6*a*, 7*a*, and 11*a* in the Senior year.

GROUP II. (ENGLISH AND MODERN LANGUAGES).—English 1 and German 1 in the Freshman year; English 2, German 2 and French 1 in the Sophomore year; English 10*a*, German 3*a* and French 2 in the Junior year; French 4 (or 3*a*), and four hours selected from English 6*a*, 7*a* or 11*a* in the Senior year.

GROUP III. (MODERN LANGUAGES).—German 1, French 1 and English 1 in the Freshman year; German 2, French 2 and English 2 in the Sophomore year; German 3*a* and French 3*a* (or 4) in the Junior year; French 4 (or 3*a*) and German 4*a* in the Senior year.

GROUP IV. (GERMAN).—German 1 and English 1 in the Freshman year; German 2, 2*a* and English 2 in the Sophomore year; German 3*a* and 3*b* and French 1 in the Junior year; German 4*a* and 4*b*, and English 11*a* or French 2 in the Senior year.

GROUP V. (ROMANCE LANGUAGES).—French 1 and English 1 in the Freshman year; French 2, English 2 and German 1 in the Sophomore year; French 4 (or 3*a*), German 2 and Italian 1 (or Spanish 1) in the Junior year; French 3*a* (or 4) and Spanish 1 (or Italian 1) in the Senior year.

MATHEMATICS AND ASTRONOMY.

G. W. DROKE, *Professor*.

B. J. DUNN, *Associate Professor*.

Mathematics.

1. (a) SOLID GEOMETRY (*first term*) (3).—Beman and Smith's New Plane and Solid Geometry. 2, 3, 4 and 5 periods. M. W. F.

(b) PLANE TRIGONOMETRY (*second term*) (3).—Lyman and Goddard's Trigonometry. *Required of all Freshmen*. 2, 3, 4 and 5 periods. M. W. F.

1a. ALGEBRA (1).—Freshman elective intended for those who do not desire to take Mathematics beyond the Freshman year. Such students will find this course very helpful both in assisting them to carry successfully course 1, and in preparing them to teach elementary Algebra. The course will include: Theory of Exponents; Imaginary and Complex Numbers; Theory of Quadratic Equations; Ratio and Proportion; Inequalities; Progressions and Logarithms.

2. ALGEBRA (2).—Wells's College Algebra, chapters xxii, to xxxix, inclusive, except chapters xxx. and xxxviii. *Required of all Freshman Engineers; elective in other courses.*

3. (a) ALGEBRA (*first twenty-four weeks of session*).—The same text-book as in course 2.

(b) ANALYTIC GEOMETRY (*last twelve weeks of session*) (3).—Smith and Gale's Elements of Analytic Geometry. Course 3 is an elective course, intended for the B. S. and B. A. Sophomores who did not take course 2 in Freshman year.

4. ANALYTIC GEOMETRY (3).—Same text-book as in course 3 (b). *Required of all Sophomore Engineers; elective in other courses.*

5. (a) ALGEBRA (*continuation of course 2*).—Twenty-four weeks.

(b) CALCULUS (*twelve weeks*) (2).—*Required of Sophomore Engineers and of those whose major subject is mathematics; elective in other courses.* Granville's Calculus.

5a. ANALYTIC GEOMETRY (*continuation of course 3*) (b) (2).—*Junior elective in the B. S. and B. A. courses.*

6. DIFFERENTIAL AND INTEGRAL CALCULUS (*continuation of course 5*) (b) (3).—*Required of Junior Engineers and of those whose major subject is mathematics; elective in other courses.* The last eight weeks of this course the student may elect either Spherical Trigonometry or Differential Equations. *Prerequisite: Course 5.*

6a. DIFFERENTIAL EQUATIONS (*first term, Senior year*) (1).—This course is intended for those Seniors who elect Differential Equations in Course 6.

8. SPHERICAL TRIGONOMETRY, THEORY OF EQUATIONS, DETERMINANTS (2).—*Junior and Senior elective.*

9. DIFFERENTIAL EQUATIONS, AND ANALYTICAL GEOMETRY OF THREE DIMENSIONS (3).—*Books of Reference:* C. Smith's and Frost's Solid Geometry; Salmon's Geometry of Three Dimensions. *Senior elective.* This course may be taken by graduate or undergraduate students.

NOTE.—Those who desire to make mathematics their major subject may select either one of the following groups:

- (A) Courses 1 and 2 in the Freshman year.
Courses 4 and 5 in the Sophomore year.
Courses 6, 7 and 8 in the Junior year.
Course 9 in the Senior year.
- (B) Course 1 in the Freshman year.
Course 3 in the Sophomore year.
Courses 5 and 5a in the Junior year.
Course 6 in the Senior year.
Group (B) is the minimum requirement.

Astronomy.

13a. DESCRIPTIVE ASTRONOMY, LECTURES AND RECITATIONS (*first term*) (2).—6th period M. and Th.

14a. SPHERICAL ASTRONOMY (*second term*) (2).—The class in Astronomy has the use of a four-inch telescope, sextant, celestial globe, and other simple instruments.

HISTORY AND POLITICAL SCIENCE.

J. H. REYNOLDS, *Professor.*

The courses in this department are designed to afford general culture, and in addition are essential to those who are looking to law, journalism, politics, the ministry or any other public calling. Course 2 is foundation work and should be taken in the Freshman year.

2. (a) MEDIAEVAL HISTORY (*first term*) (3).—This course is designed to give the student a knowledge of the essential contributions of the ancient world to history, of the reorganization of German society upon the basis of Graeco-Roman civilization, and the rise of the modern states. M. 4, W. 5, F. 4; T. 1, W. 5, Th. 1.

(b) MODERN HISTORY (*second term*) (3).—Beginning where course (a) leaves off, the class will study the great world movements of modern times, such as the reformation, religious wars, absolutism, the struggle for constitutional government in England, the contest for supremacy on the high seas, the French Revolution, and the democratic movements of the nineteenth century. All students seeking a liberal education should take this course. *Text-Books*: Robinson's History of Western Europe and his Readings in European History. *For Freshmen*. M. 4, W. 5, F. 4; T. 1, W. 5, Th. 1.

3a. (a) THE COLONIES (*first term*) (3).—The planting and the growth of English institutions in America; the development of the federal idea; our breach with England; and the making of our federal constitution. Largely a library course; charters and constitutional documents, as well as the best secondary sources will be studied.

(b) THE FEDERAL PERIOD TO 1875 (*second term*) (3).—The constitutional and political history of the United States will be studied from the organization of the government to the close of reconstruction, emphasizing the growth of political parties, the contest between federal authority and states' rights, the slavery controversy, and the constitutional results of the Civil War and reconstruction. Method of work the same as in course (a).

5a. (a) EARLY ENGLISH INSTITUTIONS (*first term*) (3).—The origin and growth of the more important English institutions, such as the Kingship, Parliament, Privy Council, common law courts, jury system, and local government. Period covered from 450 to 1300. While the student should have Terry's History of England, and Lee's Source Book, yet free use will be made of both original and secondary sources in the library. T. Th. F. 2.

(b) CONSTITUTIONAL HISTORY OF ENGLAND IN MODERN TIMES (*second term*) (3).—After a brief survey of the Tudor period,

the class will study more in detail the struggle for constitutional government in the Stuart period, the history of the cabinet, and the growth of parliamentary government. For method and text-books see course (a). T. Th. F. 2.

I. (a) HISTORY OF GREECE (*first term*) (2).—This course is designed to give a thorough knowledge of the history and the institutions of the Greeks. A general knowledge of the subject is presumed. T. Th. 4.

(b) HISTORY OF ROME (*second term*) (2).—The explanations made above in regard to the history of Greece apply to this course. T. Th. 4.

7. (a) FRENCH REVOLUTION AND THE NAPOLEONIC ERA (*first term*) (2).—France on the eve of the revolution; her political philosophers; causes and events of the revolution; and the wars of Napoleon.

(b) THE NINETEENTH CENTURY (*second term*) (2).—The democratic movements of the century; the development of constitutional government; the unification of Italy and Germany; the colonial policies of European states; and the present condition of world politics.

4a. (a) AMERICAN STATE GOVERNMENT (*first term*) (2).—A study of the place of the state in our federal system, of the constitutional law of states, of the structure and workings of American state governments as they exist today, and of some of the practical problems now before the states. M. W. 2.

(b) MUNICIPAL GOVERNMENT (*second term*) (2).—While the government of our cities is coming to sustain a most vital relation to the public welfare, the American city is notoriously ill-governed. This course will offer an opportunity to study our experience in municipal government, the structure and working of typical city governments, and some special municipal problems. Throughout the year. M. W. 2.

6. (a) NATIONAL GOVERNMENT (*first term*) (3).—A study and comparison of the structure and powers of the national governments of England, United States, France, Germany, and Switzerland. Special emphasis will be given to the place of the federal system in public law. *Text-book*: Burgess's Political Science and Constitutional Law, and the constitutions themselves. M. W. Th. 3.

(b) INTERNATIONAL LAW (*second term*) (3).—A brief sketch of the history of international law, and a study of the principles now considered binding on civilized nations. Some three weeks will be devoted to Parliamentary law. *Text-book*: Davis's Elements of International Law. M. W. Th. 3.

ECONOMICS AND SOCIOLOGY.

C. H. BROUGH, *Professor*.

The courses offered in this department are designed to give instruction in problems of current economic, social and public interest, to prepare students for the duties of citizenship and participation in the professions of law, politics, journalism, financing in general, for professional and business careers.

1. PRINCIPLES OF ECONOMICS, THE LABOR PROBLEM, TRUSTS AND THE TARIFF (*both terms*) (3).—*Texts*: Bullock's Introduction to the Study of Economics; Mitchell's Organized Labor; Bolen's Plain Facts as to the Trusts and the Tariff. Section 1, M. 1, T. 1, Th. 1; Section 2, M. 6, W. 6, F. 4.

2. BUSINESS LAW (*both terms*) (3).—A study is made in this course of the law of bills, cheques, and notes; the law of contracts; the law of agency. The regular text-book work will be supplemented by some lectures by President Tillman of the University, formerly Circuit Judge, on topics connected with the course. T. 6, W. 1, F. 1. *Texts*: Bigelow's Bills, Checques and Notes; Harriman on Contracts; Huffcut on Agency. T. 6, W. 1, F. 1.

3. (a) MONEY AND BANKING (*first term*) (3).—The theory of money, credit and banking is considered, and instruction is given in practical banking. Visits will be made from time to time to the banks of Fayetteville, in order that the class may see the practical side of banking. *Texts*: White's Money and Banking; Fiske's The Modern Bank. T. 2, Th. 2, F. 5.

(b) TRANSPORTATION AND ITS PROBLEMS (*second term*) (3).—The railway systems of the United States and foreign countries, railroad geography, rate making, government versus private ownership and control and the proposed enlargement of the powers of the Interstate Commerce Commission are considered. *Texts*: Johnson's American Railway Transportation. Supplemented by lectures, assigned readings in the Congressional

Records, Reports of the Interstate Commerce Commission and Newcomb's Facts About Railroads. T. 2, Th. 2, F. 5.

4. (a) INSURANCE (*first term*) (3).—A study of life, fire, accident, liability, industrial and marine insurance, and of the work of the insurance agent. *Texts*: Alexander's The Life Insurance Company; Insurance (Special Volume of the Annals of the American Academy). The text work will be supplemented by special lectures by insurance experts and visits to the office of Wilson and Collins, Agents, Security Mutual, Fayetteville. M. 4, W. 4, Th. 6.

(b) MODERN ADVERTISING AND TRUST FINANCE (*second term*) (3).—A study of modern methods of advertising and forms of corporate organization. *Texts*: Calkins' and Holden's Modern Advertising; Meade's Trust Finance. M. 4, W. 4, Th. 6.

5. (a) PUBLIC FINANCE AND PUBLIC WORKS (*first term*) (3).—The principles and history of taxation, the management of public debts and financial administration will be dealt with, and a study made of the economics of city waterworks, electric light and street railway systems. *Texts*: Plehn's Introduction to the Study of Public Finance; Whinery's Municipal Public Works. M. 7, T. 4, Th. 4.

(b) FINANCIAL HISTORY OF THE UNITED STATES (*second term*) (3).—An investigation of the revenues, expenditures, debts and financial administration of the United States. The tariff history, the public land policy, the national and state banking systems and like topics will be studied. *Text*: Dewey's Financial History of the United States. M. 7, T. 4.

6. (a) SOCIALISM AND SOCIAL REFORM (*first term*) (2).—A study of socialism and social reform, involving a consideration of such practical questions as the government ownership and control of public utilities, the single tax, and co-operation. *Texts*: Ely's Socialism and Social Reform. Collateral readings in George's Progress and Poverty, and Gillman's Socialism and the American Spirit. T. 3, Th. 3.

(b) THE LABOR QUESTION (*second term*) (2).—A study of the purposes and fundamental principles of trades unions, strikes, boycotts, lockouts, blacklists, arbitration, conciliation and injunction from both the side of the laborer and employer. *Text*: Bolen's Getting a Living. Supplementary reading in Adams' and Sumner's Labor Problems.

7. (a) PRINCIPLES OF SOCIOLOGY (*first term*) (2).—This course considers the elements of social growth and progress, describes social institutions, and suggests practical social reforms. *Text*: Wright's Practical Sociology. Supplementary readings on liquor, divorce, prison administration, poor relief and slum problems. T. 7, Th. 7.

(b) MODERN METHODS OF CHARITY (*second term*) (2).—A study of the dependent and depraved classes of society, the slum centers, their problems and conditions. *Text*: Henderson's Modern Methods of Charity. T. 7, Th. 7.

CHEMISTRY.

C. G. CARROLL, *Professor*.

H. E. MORROW, *Adjunct Professor*.

1. GENERAL INORGANIC CHEMISTRY (3).—Lectures and recitations two hours a week; laboratory exercises one afternoon a week. M. W. 3 or 4; M. T. W. Th. 6, 7.

2. INORGANIC CHEMISTRY (2).—Lectures and recitations two hours a week. M. F. 2.

3. QUALITATIVE ANALYSIS (3).—One lecture or conference and five hours of laboratory work per week during either term or throughout the year.

4. ORGANIC CHEMISTRY (4).—Lectures and recitations twice a week, with laboratory work in organic preparations two afternoons a week. M. 1, Th. 4.

5. QUANTITATIVE ANALYSIS (3).—Introductory course. Laboratory exercises six hours a week, with occasional lectures. One term may be elected.

6. QUANTITATIVE ANALYSIS (5).—Ten hours of laboratory work per week, with occasional lectures. More complicated gravimetric and volumetric processes. Calibration of volumetric apparatus.

7. QUANTITATIVE ANALYSIS (3).—A continuation of course 6. Iron and steel analysis, gas analysis, organic analysis.

8. PHYSICAL CHEMISTRY (3).—Lectures two hours per week; laboratory exercises one afternoon a week. *Prerequisite*: Chemistry 2, 4; Mathematics 4; Tu. 1, Th. 1.

9. ASSAYING (3).—Technical examination of gold and silver ores. Laboratory work six hours a week during the second term.

ELECTIVE COURSES.*

10. AGRICULTURAL AND FOOD ANALYSIS (3).—Laboratory exercises six hours per week during the first term. *Prerequisite: Chem. 1, 3, 5.*

11. WATER ANALYSIS (3).—Sanitary and technical analysis of water. Primarily for engineering students. Six hours of laboratory work during the second term. *Prerequisite: Chem. 3, 5.*

12. ELECTRO-CHEMISTRY (3).—Theoretical and applied electrochemistry. Lectures and laboratory exercises during the first term. *Prerequisite: Physics 1; Math. 6; Chemistry 1, 3, 4.*

13. ELECTRO-CHEMICAL ANALYSIS (3).—Quantitative analysis by electrolysis. Six hours of laboratory work a week during the second term.

14. HISTORY OF CHEMISTRY (2).—Lectures two hours a week during the second term.

15. RESEARCH WORK.—Problems in research will be given to graduate students who elect chemistry as their major study, and to others competent to undertake such work. A reading knowledge of German and French is indispensable.

JOURNAL MEETING.

The instructors of the department, the chemists of the experiment station, and the advanced students meet twice a month for discussion of articles in the current chemical journals, and to report upon their own investigations.

DEPARTMENT OF BIOLOGY.

F. W. PICKEL, *Professor.*

The courses of this department have been arranged to meet the needs of three classes of students; those who desire to become acquainted with the fundamental principles of plant and animal life; those who contemplate the study of medicine; and those wishing to go more thoroughly into the study of biological science to obtain the technical training necessary for subsequent investigation or for teaching.

1. GENERAL BIOLOGY (3).—This course serves as an introduction to the whole field of biological science, and should be a

*Any of these courses must be elected by as many as four students.

part of the general education of every student. Types of plants and animals will be dissected and studied in the laboratory, and the essential truths of biology emphasized. One recitation and laboratory work, four hours per week throughout the year. *Text-book*: F. 6; T. 3, 4; Th. 3, 4.

2. BOTANY (3).—In this course special attention is paid to the morphology, physiology, and ecology of plants, but due attention is given, in the second term, to the systematic classification of plants, and each student is required to collect and write a technical description of a certain number of plants. The geological history of plants and the origin of cultivated plants will be briefly considered. Field work, when practicable, will form an important feature of the course. Recitations and laboratory work six hours per week throughout the year. *Text-books*: Bailey's Elementary Botany; Chapman's Flora of Southern States. M. T. Th. 5, 6.

3. ADVANCED BOTANY (3).—A lecture and laboratory course on the morphology, physiology and the diseases and injuries of plants. One lecture and four hours' laboratory work per week throughout the year: *Prerequisite*: Botany 2.

4. BACTERIOLOGY (4).—An introduction to the subject, and instruction in laboratory technique—the preparation of nutrient media, the characteristics of bacteria, the kind and effects, isolating and keeping pure cultures, microscopical preparations, the study of bacteria found in soil, in water, and in air; study of pathogenic forms and their relation to disease. One lecture and six hours' laboratory work per week throughout the year. *Prerequisite*: Chemistry 1; Biology 1. M. 6, 7; T. 7; Th. 6, 7; S. 2, 3.

5. GENERAL ZOOLOGY (3).—A general course in invertebrate and vertebrate morphology. Attention will be given to the fundamental facts of zoological science, and the laws of development, heredity, variation, correlation, etc. In connection with the laboratory work in the course, instruction will be given to such students as desire to learn methods of preparing bird skins and mammal skins for laboratory and museum specimens. Field work, when practicable, will form an important feature of the course. One recitation and four hours' laboratory work per week throughout the year. M. 3, 4; W. 5; F. 3, 4.

6. COMPARATIVE ANATOMY OF VERTEBRATES (3).—Recitations and demonstrations dealing with the comparative anatomy of

acrania, cyclostomes, sharks, fishes, amphibians, reptiles, birds and mammals. Laboratory work on selected types of the different groups. One recitation and four hours' laboratory per week throughout the year. *Prerequisite: Biology 1, or General Zoology 5.* M. 1; W. 1, 2; F. 1, 2.

7. ANIMAL HISTOLOGY AND EMBRYOLOGY (5).—This course is offered to students intending to study medicine, but is open to any student who has completed Biology 1. It consists of instruction in histological and embryological methods of technique to acquaint the student with the principles of histology and embryology. Two lectures and six hours' laboratory work per week throughout the year. T. 1; W. 7; W. 1, 2, 3; F. 5, 6, 7.

8. PHYSIOLOGY (4).—The physiology of foods, digestion, and nutrition; the blood, circulation, and respiratory mechanism; the excretion, especially analysis of urine; functions of brain and spinal cord; physiology of nerve and muscle. Two lectures and four hours' laboratory work a week throughout the year. *Prerequisites: Chemistry 1; Elementary Physiology.* M. 1, 2; F. 1, 2; W. 5; F. 7.

9. NATURE STUDY (1).—A special course in nature study, its aim, method, etc., and systematic science teaching will be offered to students who expect to teach. One lecture per week throughout the year. *Prerequisite: Biology 1.*

GEOLOGY AND MINING.

A. H. PURDUE, *Professor.*

A. A. STEEL, *Associate Professor.*

The several courses in geology are intended to supply the needs of:

1. Students who wish to ground themselves in the elements of the science with the view of making it a life work. Of such, courses 2, 3, 5, 7 and 8 are required.

2. Students taking the course in mining engineering, of whom courses 2, 3, 5, 7 and 9 are required.

3. Students in agriculture and civil engineering for whom course 6 is recommended.

4. Students desiring a general educational knowledge of the subject, for whom course 2 is recommended.

The four years' course in mining engineering outlined on page 74 is planned to give that instruction in the underlying principles of geology and mining and engineering, which can be acquired only with great difficulty outside of the colleges. Effort will be made to train the student in original thinking and the ready adaptation of means to the usual conditions so common in mining.

The practical work of mining, metallurgy, and ore dressing can be learned so much more rapidly and effectively by actual work, that no laboratory instruction in these lines is offered at the University. The students are expected to spend parts of at least two summer vacations at ordinary day's work in some mine, mill or smelter, where they will be expected to ask questions of the workmen and keep notes of their observations, and compute the costs of some detailed operations. This plan, besides preparing the students for the study of the principles involved in their work, also gives them a useful knowledge of the workmen with whom they must deal, and tends to break down the prejudices on both sides.

This course in mining is designed to make specialists in mining geology and mine operating, rather than all round technical men. Hence a large part of the student's time is spent upon work in the department of geology and mining, but the necessary fundamental work in mathematics and applied science is not slighted, and enough work is required in the other technical departments to enable the graduates to solve the simpler problems of civil, mechanical, and electrical engineering, and metallurgy, and to judge of the qualifications of specialists in these lines, when in charge of large properties. There is also enough laboratory and field work required to fit the young mining engineer to do all the analytical work, assaying, surveying, drafting, and designing needed at the average mine, while he is acquiring the experience and prestige necessary for more responsible and executive positions.

While the course is not especially exacting, it is severe and should be undertaken only by students well prepared mentally and in good health. To accomplish all the work well, the average student will have to devote seven or eight hours per day, six days per week, to his college work during the academic year.

Geology.

1. PHYSICAL GEOGRAPHY (3).—A general course in Physical Geography, with special attention to meteorology and the constructive and destructive work of the atmosphere, water, and ice.

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2. GENERAL GEOLOGY (3).—The geological work of the atmosphere and water (including streams, lakes, the ocean, and underground water); glaciers and glaciation; organic agencies; igneous and sedimentary rocks; structural geology; diastrophism; historic geology. Recitations three times a week. *Text*: Branner's Syllabus of General Geology, supplemented by Chamberlin and Salisbury. *Prerequisite*: Chemistry I.

PROFESSOR PURDUE.

3. PRACTICAL GEOLOGY (3).—Field and laboratory work nine hours a week throughout the year, with the construction of geologic maps and sections, and topographic maps.

PROFESSOR PURDUE.

5. CRYSTALLOGRAPHY AND MINERALOGY (3).—(a) Lectures and recitations three hours a week during the first term on the elements of geometric crystallography.

(b) Laboratory work (three hours) three times a week following course (a) and extending through the year. Determination of minerals before the blowpipe, and in the wet way. *Text*: Determinative Mineralogy, Brush. *Required of students in geology, mining and civil engineering*. *Prerequisite*: Chemistry I.

Th. F. 5, 6, 7, 8.

ASSOCIATE PROFESSOR STEEL.

6. SHORT COURSE FOR AGRICULTURAL AND CIVIL ENGINEERING STUDENTS (3).—Lectures, supplemented by field work, on the geological work of the atmosphere and running water; the kinds, origin and decay of sedimentary rocks; igneous rocks; the origin and kinds of soil; structural geology; underground water; the origin of topographic forms. First term. *Prerequisite*: Chemistry I.

PROFESSOR PURDUE.

7. ECONOMIC GEOLOGY (3).—Lectures, with collateral reading, on the formation, modes of occurrence, uses and geographic distribution of economic geologic products. Second term. *Required of students in geology and mining*. *Prerequisites*: Chemistry I, Geology, 2.

PROFESSOR PURDUE.

8. ORIGIN AND ALTERATION OF ROCKS.—Lectures on the origin, destruction and alteration of rocks, with special attention to

metamorphism. Two hours a week for second term. *Required of Juniors in mining. Prerequisites: Geology 2, Chemistry 1.*

PROFESSOR PURDUE.

9. DESCRIPTIVE MINERALOGY (1).—A study of the variations and associations of minerals. Laboratory work two hours a week for the first term. *Prerequisite: Geology 5.*

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Mining.

1. INTRODUCTORY COURSE (2).—Descriptive treatment of a few of the more common methods of mining now practiced, preliminary to the study of actual mining during the summer vacation. A general basis for later detailed and critical courses. Lectures or recitations twice a week during second term. *Prerequisites: Chemistry 1, Physics 1, and one term of Geology 2.*

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2. DETAILS OF MINING OPERATIONS (2½).—Methods, tools, rate of progress and comparative cost of; excavation of earth; drilling and blasting of rock; driving and timbering of tunnels in hard and soft ground; boring for various purposes, and shaft sinking and timbering. Also a discussion of the nature and use of common explosives, and the special methods of mining. Outside reading with lectures or recitations twice a week during the first term and three times a week during the second term. *Prerequisite: Mining 1.*

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3. ADVANCED MINING (3).—(a) A critical study of the different methods of exploration, development and working of mineral deposits. Practice in selecting the methods best suited to certain assigned conditions, and in combining the good features of various established systems of mining. Lectures or recitations three times a week the first ten weeks of the year.

(b) MINE ADMINISTRATION. Organization of staff for large and small mines; purchase of supplies and disposal of product; management of labor; elements of mining law; mine accounts and cost sheets. Three times per week for seventeen weeks following course (3a).

(c) MINE EXAMINATIONS.—Sampling of ore bodies; estimation of average value, and available and probable tonnage of ore in the mine; character and form of maps and expert reports.

Outside drawing and lectures or recitations three times a week last seven weeks of the term.

This course is open only to students whose major is taken in the department of Geology and Mining.

ASSOCIATE PROFESSOR STEEL.

4. ENGINEERING PROBLEMS OF MINES (3).—(a) Applications of civil engineering to mining. Surface and underground handling, transportation and storage of minerals; mine buildings, trestles, ore bins, etc.; mineral railroads, common roads; water supply; drainage of mines; methods of ventilation; accidents to men; underground surveying. Lectures and conferences three times a week, first term, with outside reading, designing and detailed drawing. *Prerequisites: Mining 1. C. E. 2 and 3; M. E. 4 and 9.*

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(b) MINE PLANT. Description and critical discussion of the mechanical equipment of mines; hoisting engines, ropes, skips, cages, and head frames; various types of pumping machinery; air compressors and the transmission of power by compressed air; machine drills; mine cars and tracks; underground haulage plant; practice in the selection of mining machinery from trade catalogues. Lectures and conferences three times a week, second term. Outside reading and detailed drawing. *Additional prerequisite: M. E. 5. Either term may be elected separately.*

ASSOCIATE PROFESSOR STEEL.

8. ORE DRESSING.—General principles and theory of ore dressing; hand dressing; cleansing; crushing; sizing and classifying; jigging sized and unsized products; table concentrating; stamp milling of gold and silver ores; descriptions of typical ore dressing works; practice in outlining schemes of ore dressing under assigned conditions. *Text-book: Richard's Ore Dressing.* Recitations and conferences twice a week, two terms. *Prerequisites: Geology 5, Mechanical Engineering 4 and 5.*

ASSOCIATE PROFESSOR STEEL.

DEPARTMENT OF PHILOSOPHY AND PEDAGOGY.

W. S. JOHNSON, *Professor.*AUGUSTA NELKEN, *Training Teacher.*

The object of the courses offered in this department is (a) to afford general culture, and (b) to train those who expect to enter professional life, especially law, medicine, the ministry and teaching.

For those contemplating the professions of law or journalism, the following courses are recommended: 1, 7, 8 and 9; medicine: 1, 7, 8 and 10; business: 1, 7, 8 and 8.

For the required course of study in the normal department, and the conditions under which the certificate of Licentiate of Instruction is granted, see pp. 77-9.

1. DESCRIPTIVE PSYCHOLOGY (*first term*) (3).—This course serves as an introduction to both philosophy and pedagogy. The course is open to all students in the collegiate department. The different functions of the mind are studied from the physiological and experimental standpoint. It is intended to make it as concrete as possible—by a study of the nervous system, and by experiments to demonstrate the action and interaction between the mind and nervous tissue. Owing to its pedagogical value students are advised to take this course as early as possible in their college course. *Text-books:* Buell's Essentials of Psychology; Gordy's New Psychology. Section a, M. W. F. 1st period. Section b, M. W. F. 7.

2. (a) SCHOOL MANAGEMENT (1).—This course serves as a general introduction to teaching and school management. It is open to all students of the University—both preparatory and collegiate. It is especially designed for those students who teach during the vacation or who expect to teach for only a short time. Students may attend these lectures without enrolling as members of the class. *Text-book:* Sabin's Common Sense Didactics. Th. 8.

(b) ART OF TEACHING (1).—This course is subject to the same conditions as (a). The methods of teaching the common school branches will be discussed, illustrated by model lessons. Roark's Methods of Education. No credit is given in the B. A. or the B. S. course for 2a or 2b F. 8.

3. SCIENCE OF INSTRUCTION (2).—The methods discussed are based on psychology. The broader generalizations of the science of education are studied, and the student learns to apply the principles of psychology to the work of teaching. This is a very practical course. During the first term the Methods of the Recitation is studied, the Special Methods during the second term. Students may enter the second term. *Text-books:* McMurray's Method of the Recitation, and Special Methods. T. Th. 1.

4. HISTORY OF EDUCATION (*second term*) (3).—This course includes a study of the educational systems and methods of ancient, mediæval, and modern nations; lives and theories of educational reformers; growth of education in the United States and in the state of Arkansas. *Text-books:* Monroe's History of Education; Arkansas School Law. M. W. F. 1.

5. (a) EDUCATIONAL PSYCHOLOGY (*first term*) (3).—This course applies the principles of psychology to the schoolroom. It deals with the child as an educable being. It treats in minute detail the sources of interest; the characteristics of imitation, heredity, attention, memory, imagination, emotions, will and character. Recitations, lectures, assigned readings, and reports. *Text-books:* Dexter and Garlic's Psychology in the Schoolroom. *Prerequisite:* Course 1. M. W. F. 2.

(b) CHILD STUDY (*second term*) (3).—In this course it is intended to make a practical application of the principles studied in (a) by studying the characteristics of children as seen in the schoolroom, at home, and at play. Topics assigned and library references. Practice teaching in the Training School. M. W. F. 2.

6. THE SUPERINTENDENT'S COURSE (2).—This course discusses matters of practical school organization and management. Such subjects are discussed as school revenues and expenditures, school sanitation and decoration, course of study, duties of superintendent and teachers in relation to school and community, philosophy of government, etc. *Text-books:* King's School Interests and Duties; Shaw's School Hygiene. Tu. & Th. 2. References to pedagogical library.

7. ABNORMAL PSYCHOLOGY (1).—This course is designed to supplement course 1, and to discuss especially the physiological conditions and mental phenomena of sleep, dreams, hypnotism, somnambulism, sanity, insanity, illusions, hallucinations, mind reading, etc. This, as well as course 1, will be especially valuable

to those students who expect to study law or medicine. It is intended to throw light on many of the peculiarities of mental life as exhibited in mankind. Lectures, discussions and recitations. *Text-books:* Moll's Hypnotism; M. de Manaccine's Sleep; Parish's Hallucinations and Illusions; Lombroso's The Man of Genius. *No prerequisite (though desirable to be accompanied or preceded by course 1).*

8. LOGIC (*second term*) (3).—This course should follow course 1. *Text-book:* Creighton's Introductory Logic. M. W. F. 7.

9. (a) ELEMENTS OF ETHICS (*first term*) (2).—The bearing on the standing of the theories of evolution, sociology, biology, economics, and political economy, as applied to real life. *Text-book:* Paulsen's A System of Ethics.

(b) INTRODUCTION TO PHILOSOPHY (*second term*) (2).—This course is designed to present in an elementary way the principal philosophical problems. It may properly be taken by all who desire an acquaintance with philosophy as a means of culture. *Text-book:* Paulsen's Introduction to Philosophy.

10. PRINCIPLES OF EVOLUTION (1).—A discussion of the underlying facts, the methods of scientific research, and the philosophical problems upon which the modern philosophy of evolution is founded. *Text-book:* Conn's Evolution of Today.

MECHANICAL ENGINEERING.

B. N. WILSON, *Professor and Superintendent of Mechanic Arts.*

B. MITCHELL, JR., *Adjunct Professor and Assistant Superintendent of Mechanic Arts.*

E. B. CRITZER, *Instructor in Mechanical Engineering.*

J. GRISSOM, *Engineer.*

Two courses are offered, a four-year course leading to the degree of B. M. E. (see page 69), and a short course of two or three years (see page 80), depending upon the preparation of the student.

While the major part of a course in mechanical engineering necessarily consists of scientific and technical studies, the four years' course provides for instruction in English and the modern languages, and offers electives that may be taken in other than technical subjects.

Besides the mathematical and scientific studies which constitute the necessary preparation for the study of the engineering branches, instruction is given in mechanics, machine design, theory of steam and gas engines, etc. Special attention is given to the practical application of the truths and theories taught in the class room, a large part of the time being devoted to shop work, drawing and laboratory practice.

Sufficient instruction is given in the theory and use of electrical machinery to enable the student to use it intelligently.

In the Senior year the student is offered an elective in the branch of mechanical engineering in which he wishes to specialize.

SHOP WORK (hours as assigned).

1. (a) WOODWORKING.—Principles of carpentry and joinery; exercises in wood turning. M. T. 1, 2, 3, 4.

(b) FOUNDRING.—Green sand moulding; melting and pouring brass and iron. W. 5, 6, 7; Th. F. 5, 6, 7, 8; Sat. 1, 2, 3, 4.

(c) FORGING.—Management of fire; drawing and welding; riveting and tempering; case hardening and annealing.

(d) PATTERNMAKING.—Practice in making patterns; care and use of woodworking machinery. W. 5, 6, 7; Th. F. 5, 6, 7, 8; Sat. 1, 2, 3, 4.

(e) IRONWORKING.—Chipping; filing; turning; planing; drilling; grinding; erection of machinery. M. T. 1, 2, 3, 4; W. 1, 2, 5, 6, 7; Th. 1, 2, 5, 6, 7; F. 5, 6, 7, 8; Sat. 1, 2, 3, 4.

(f) ADVANCED WORK in any of the above courses.

2. (a) MECHANICAL DRAWING (2 or 3).—Lettering, geometrical drawing; copying machine drawings; working drawings from machine parts; tracing; blue printing. M. T. 6, 7.

(b) MECHANICAL DRAWING.—Perspective and isometric drawing; intersections; development; detail drawing; blue printing. M. T. 6, 7.

3. MACHINE DESIGN (3).—Kinematics of machinery; design of gear teeth; link motions, cams, etc. One hour's recitation and four hours' drawing per week. M. 4; T. 6, 7.

4. MECHANICS (4).—Theoretical Mechanics, first term; Mechanics of Materials, second term. *Text-books*: Wright's Mechanics and Merriman's Mechanics of Materials. M. T. W. Th. 1.

(a) ELEMENTARY MECHANICS.—An elementary course in mechanics and hydraulics. *Prerequisite: First Preparatory Mathematics.*

5. STEAM MACHINERY AND GAS ENGINES (3).—Elementary thermodynamics; comparison of types of steam engines, gas engines, boilers, etc.; valve gears. T. Th. 3; F. 1.

5a. STEAM ENGINES AND BOILERS (3).—Elementary theory of steam engines and boilers—care and management of same; valve gears. Three hours per week one year. *Prerequisite: Sub. Freshman Mathematics.* T. Th. F. 3.

6. EXPERIMENTAL ENGINEERING (2).—Calibration of engineering instruments, indicators, steam gauges, planimeters, nozzles, meters, weirs, etc.; tests of the materials of construction in tension, torsion, compression and bending; valve setting. *Text-book: Experimental Engineering, Carpenter.* Four hours laboratory work per week. W. 4, 5, 6, 7.

7. MACHINE DESIGN (4).—Theory of steam and gas engines; problems in steam engine and boiler design. One recitation, six periods of drawing. W. 2; M. T. 5, 6, 7.

8. EXPERIMENTAL ENGINEERING (2).—Complete tests of different types of steam engines, boilers, pumps, gas engines, oil engines, turbines; special investigations. W. 5, 6, 7, 8.

9. HYDRAULICS AND HYDRAULIC MACHINERY (2).—Hydraulics and hydrostatics the second term during Junior year and a study of the design, construction and operation of turbines and pumping machinery the first term of the Senior year. *Text-book: Treatise on Hydraulics, Merriman.* Two recitations per week. Th. 4; F. 2.

10. METHODS OF ICE MAKING; COLD STORAGE (2).—Ice-making machinery. Two hours per week for one term.

11. HEATING AND VENTILATING (3).—Principles of ventilation; the different systems of heating by steam, hot water, and air; specifications. Three hours per week for one term.

12. STEAM ENGINEERING (4).—Mechanical engineering of power plants; selection of machinery for the equipment of power stations; plans and specifications. One lecture and six hours drawing per week, second term. *Prerequisite: M. E. 5.*

13. MACHINERY AND MILL WORK (4).—Discussions of the different methods of distributing power in mill work; consider-

ations controlling the design of the power plant; specifications. One hour's lecture and six hours' drawing per week, second term.

14. RAILROAD ENGINEERING (4).—Design and construction of locomotives; repairs for rolling stock; discussion of the problems relating to the mechanical engineering of railroads. One hour's lecture and six hours' drawing per week, second term. *Prerequisite*: M. E. 5.

CIVIL ENGINEERING.

J. J. KNOCH, *Professor*.

V. P. KNOTT, *Instructor*.

The design of this department is to furnish a course of theoretical instruction, accompanied by illustrations and as much of engineering practice as can well be taught in schools. This course will give the student a knowledge of the fundamental principles required to enter intelligently upon the various branches of engineering belonging to this profession.

The special technical studies, which are offered in this course, may be grouped under the heads of surveying, applied mechanics, road and railroad engineering, hydraulic engineering, bridge engineering, and sanitary engineering. A general outline of the course is found on page 71.

Instruction. The work in surveying extends over three years. It embraces land surveying, leveling and United States public land surveys during the Sophomore year; topography, railroad reconnoissance and location during the Junior year; triangulation and geodesy during the Senior year. Much time is devoted to practice in the field and drafting room, this work being carried on parallel with the classroom work. Each year a party of engineering students go into camp one week for practice in surveying and locating railway lines.

I. DESCRIPTIVE GEOMETRY (2).—Recitation and practice, first term. *Text-book*: Church's Descriptive Geometry. Engineering Hall. Th. 8:30-9:30; M. 1:30-3:20.

1a. DRAWING (2).—Selection and care of instruments. Drawing geometrical figures, conventional representation of materials, copying and tracing working drawings; and drawing from models. Two afternoons throughout the year. Engineering Hall. T. W. 1:30-3:20.

2. SURVEYING (*with 3*) (3).—First, and part of second, term. Care, use, and adjustment of instruments; use of chain, tape, compass, transit, solar attachment, level, sextant, and plane table; land surveying, leveling, contouring, laws, and instructions relating to surveys of the public domain. *Text-book*: Raymond's. Engineering Hall. T. F. 8:30-9:30.

3. FIELD PRACTICE.—Exercises in land, city, and topographical surveying. One afternoon throughout the year. Th. 12:40-4:00.

4. HIGHWAYS (1).—One hour per week, second term. The location, construction, and maintenance of common, Macadam, and Telford roads; brick, stone, wood, and asphalt pavements for city streets. *Text-book*: Spalding's Roads, Streets, and Pavements. Engineering Hall. Th. 8:30-9:25.

4a. ARCHITECTURAL DRAWING (1).—One hour per week, second term. Elementary course in architecture; drawing plans and elevations of simple structures; analysis of plans. M. 1:30-3:20.

5. RAILROAD ENGINEERING (2).—Two hours per week throughout the year. Preliminary surveys and location; transition curves, yards, and turnouts; estimates of earthwork and material used in construction; the economics of railroad location and management. *Text-books*: Searle's Field Engineering, and Crandall's Transition Curve and Earthwork Computations, first term; Wellington's Economic Theory of Railway Location, second term. Engineering Hall. T. Th. 10:20-11:15.

6. FIELD PRACTICE (2).—Location of curves, turnouts, and Y's; measurement of embankments and cuts, and computation of volumes. Four hours a week throughout the year. F. 12:40-4:00.

7. RAILROAD SURVEY.—One week, twelve hours per day. Actual field practice in reconnoissance, preliminary survey, and location.

8. DRAWING (2).—Lettering titles for maps and drawings. Pen and colored topography. Four hours a week throughout the year. Engineering Hall. Th. F. 11:15-1:35.

8a. DRAWING (2).—Lectures and practice two afternoons a week throughout the year. Shades, shadows and perspective. Topographical and railroad maps from actual surveys; masonry dams, structural details, and working drawings for designs. Engineering Hall. M. W. 8:30-10:20.

9. MASONRY CONSTRUCTION (2).—Two hours per week, first term. Use of lime, and hydraulic cement mortars; stone and brick masonry foundations; foundations in soft materials on land and under water; cofferdams, cribs, and caissons. *Text-book*: Baker's Masonry Construction. Engineering Hall. W. Th. 11:15-12:10.

10. ROOFS AND BRIDGES (3).—Four hours per week, first term; three hours, second term. Theory of computation of stresses by both analytical and graphic methods; full computations, designs and bills of material for a roof truss and railroad bridge. *Text-books*: Merriman and Jacoby's Roofs and Bridges, Parts I, II, and III. Engineering Hall. M. T. W. F. 9:25-10:20.

11. SANITARY ENGINEERING (2).—Two hours per week, first term. Calculation and special details of construction of sewers; separate and combined systems of sewerage; purification of sewage; municipal and domestic sanitation. *Text-book*: Baumeister's Cleaning and Sewerage of Cities. Engineering Hall. W. Th. 9:25-10:20.

12. TECHNICAL DRAWING (2).—Lectures and practice, four hours per week throughout the year. Right and oblique arches; drawings for computations of course 10. Engineering Hall. T. W. 1:30-3:20.

13. WATERWORKS ENGINEERING (3).—Three hours per week, second term. Study of systems of water supply; collection, purification and distribution of water; location of waterworks, with details of estimate of cost; turbines and pumping engines. *Text-book*: Folwell's Water Supply Engineering. Engineering Hall. W. Th. F. 9:25-10:20.

14. ENGINEERING LABORATORY (2).—Two hours per week, first term. Test of strength and other properties of materials of construction; tensile and crushing tests of brick, stone and cement; flow of water through pipes, elbows, valves and measurement by means of weirs. Engineering Hall. F. 12:40-4:00.

15. FIELD PRACTICE (2).—Two hours per week, first and second terms. Topographical survey, triangulation, precise leveling, and practical astronomy. Th. 12:40-4:00.

16. CONTRACTS AND SPECIFICATIONS (3).—Elective for Seniors in Engineering. Lectures and recitations three times per week. *Text-books*: Johnson's Contracts and Specifications; Wait's Engineering and Architectural Jurisprudence. Engineering Hall. M. T. W. 9:25-10:20.

ELECTRICAL ENGINEERING AND PHYSICS.

W. N. GLADSON, *Professor.*

H. SCHAPPER, *Adjunct Professor.*

L. S. OLNEY, *Assistant.*

Two courses of instruction are offered in electrical engineering. The four years' course described on page 70 is intended to afford a good general education, and at the same time to ground the student so thoroughly in the principles of electrical engineering as to furnish a good foundation for the profession.

Theoretical and applied electricity and the mechanics of engineering are naturally the leading subjects.

Theory is amply treated and tested by experiments in well-equipped laboratories, thus affording the student a degree of facility in the use of instruments and machines which is acquired only by continued practice. As a requisite for graduation, each candidate must present an acceptable thesis, embodying the results of special study. The subject of such study must lie within the field of electrical engineering. It must be announced not later than the beginning of the second term of the Senior year, and be approved by the professor in charge. The completed thesis must be submitted not later than two weeks before commencement day, and one copy must be deposited in the library as the property of the University.

The short course of two years described on page 81 is designed for students lacking time and preparation for the full course, and is intended especially for those who have had some practical experience in engineering. The work is more elementary than in the long course, embracing only the necessary mathematics, which, with electrical engineering and laboratory work, gives the student sufficient theory, supplemented by practice, in the shortest possible time.

Five courses are offered in physics, and additional work may be arranged for by any student selecting his major in this department.

I. ELECTRICAL ENGINEERING (5).—Recitation and lectures five times a week throughout the year. Installation and operation of electrical machinery; underwriter's rules; calculations; estimates; specifications, and practical work. *Text-books:* Manage-

ment of Dynamos and Motors, by Croker and Wheeler; and Electricity and Magnetism, by Thompson. Engineering Hall. M. F. 3. ASSISTANT OLNEY.

3. TECHNICAL DRAWING (2).—Lectures and practice two afternoons a week throughout the year. Working drawings of electrical apparatus; elementary machine design; wiring plans designed by student. Engineering Hall, 2d floor. M. T. 6, 7.

PROFESSOR GLADSON AND ASSISTANT OLNEY.

3a. DRAWING (2).—Use and care of instruments; copying of mechanical drawings; wiring plans; drawing of machine parts. Engineering Hall, 2d floor. T. W. 6, 7. ASSISTANT OLNEY.

4. TECHNICAL DRAWING (2).—Lectures and practice four hours a week throughout the year; an extension of course 3, and must be preceded by it. Drawings of circuit and machine, electrical calculations, and mechanical designs of electrical machinery; complete power plants designed by student. Engineering Hall, 2d floor. M. T. 6, 7.

PROFESSOR GLADSON AND ASSISTANT OLNEY.

5. ELECTRICAL LABORATORY (2).—One afternoon a week throughout the year. An extended course in magnetic and electrical measurements; current, electro-motive force and resistance; use and calibration of instruments; exploration of magnetic fields; testing of direct current dynamos and motors. Engineering Hall, basement. Th. 5, 8. PROFESSOR GLADSON AND ASSISTANT OLNEY.

6. ELECTRICAL LABORATORY (2).—One afternoon a week throughout the year. A full experimental course in operating and testing direct and alternate current machines; photometry transmission, storage, and transformation of electric energy. Special courses given suited to the preparation and object of the student. *Prerequisite: Physics 2a.* Engineering Hall, 1st floor. F. 5, 8.

PROFESSOR GLADSON AND ASSISTANT OLNEY.

7. DYNAMO-ELECTRIC MACHINERY (3).—Recitations three hours a week throughout the year. Confined chiefly to direct current apparatus, including types of motors, generators, and transformers; design, calculations, construction, testing, and operating. *Text-book:* Thompson's Dynamo Electric Machinery. Engineering Hall, 1st floor. M. T. W. 2.

ADJUNCT PROFESSOR SCHAPPER.

8. THEORY OF ALTERNATE CURRENTS (3).—Recitations three times a week, first term. *Text-book*: Sheldon's Alternate Currents; Machines. Engineering Hall, 1st floor. M. T. W. 1.

PROFESSOR GLADSON.

9. POLYPHASE ELECTRIC CURRENTS (3).—Recitations and lectures three times a week, second term. *Text-book*: Thompson's Polyphase Electric Currents. Engineering Hall, 1st floor. M. T. W. 1.

PROFESSOR GLADSON.

10. ELECTRIC RAILWAYS (2).—Recitations and lectures twice a week, second term. *Text-book*: Electric Railways by Ashe & Keiley. Engineering Hall, 1st floor. Th. F. 2.

PROFESSOR GLADSON.

11. TELEPHONY AND TELEGRAPHY (2).—Lectures and recitations twice a week throughout the year. *Text-books*: K. B. Miller's American Telephone Practice and American Telegraphy by Mayer. Engineering Hall, 1st floor. Th. F. 1.

PROFESSOR GLADSON.

12. ELECTRICAL MACHINERY (3).—Recitations three times a week on direct and alternate current dynamos and motors; their application to light, power, railway mining, and manufacturing. *Text-book*: Dynamo Electric Machinery, by S. Sheldon. Engineering Hall, 2d floor. M. T. W. 1.

ADJUNCT PROFESSOR SCHAPPER.

13. POWER STATIONS (2).—Lectures two hours a week, second term. Selection of machinery for power stations; steam, hydraulic, gas, and electrical station construction; operation and management. Senior elective.

PROFESSOR GLADSON.

14. ELECTRIC TRANSMISSION AND DISTRIBUTION (2).—A study of the different methods of electrical power distribution for light, railway or stationary power; long distance transmission. Senior elective.

PROFESSOR GLADSON.

NOTE.—This department will offer a course in electro-chemistry as soon as laboratory equipment can be provided.

PHYSICS.

1. GENERAL PHYSICS (3).—Recitations and lectures with demonstrations three hours a week throughout the year on mechanics; heat; light; sound; electricity; and magnetism. *Prerequisite:* *Math.* 1 and 2 or *Preparatory Physics*, two hours. M. W. F.

PROFESSOR GLADSON AND ADJUNCT PROFESSOR SCHAPPER.

1a. PRECISION OF MEASUREMENTS (1).—Lectures. A discussion of physical measurements, errors, sources of errors, accuracy of results; methods of least squares, etc. One hour a week second term, Freshman, and one hour a week first term, Sophomore. F. 1.

ADJUNCT PROFESSOR SCHAPPER.

1b. GENERAL PHYSICS ($1\frac{1}{2}$).—Laboratory work three hours a week one year. *Prerequisite:* *Physics* 1.

PROFESSOR GLADSON AND ADJUNCT PROFESSOR SCHAPPER.

2. ADVANCED GENERAL PHYSICS (2).—Lectures and recitations two hours a week one year on statics; dynamics; magnetism; electricity; photometry, etc. T. Th. 3.

ADJUNCT PROFESSOR SCHAPPER.

2a. LABORATORY WORK (2).—Two hours a week one year. Advanced accurate measurements on statics; dynamics; magnetism; electricity; photometry. *Prerequisite:* *Physics* 2. T. 5-8.

ADJUNCT PROFESSOR SCHAPPER.

3. THEORETICAL ELECTRICITY (2).—Two hours a week one year. Vector Analysis; Maxwell's Theory; The Modern Electron Theory. *Prerequisite:* *Calculus*. ADJUNCT PROFESSOR SCHAPPER.

4. KINETIC THEORY OF GASES (2).—Two hours a week, first term. *Prerequisite:* *Calculus*. ADJUNCT PROFESSOR SCHAPPER.

5. THERMODYNAMICS (2).—Two hours a week, second term. *Prerequisite:* *Physics* 4. ADJUNCT PROFESSOR SCHAPPER.

NOTE.—Courses 3, 4, and 5 are elective courses, and will be given, at the option of the department, when elected by a sufficient number of students.

AGRICULTURE.

G. A. COLE, *Professor*.

For the announcement of this department, see page 141, under the heading, "The College of Agriculture." Cf. pp. 138-149.

HORTICULTURE.

ERNEST WALKER, *Professor.*

For the announcement of this department, see pp. 145-6, under the heading, "The College of Agriculture."

MILITARY SCIENCE AND TACTICS.

CAPTAIN R. B. POWERS, 7th United States Cavalry, *Professor.*

The head of the military department is an officer of the United States Army, detailed by the war department for duty at the University.

All male students, not physically disabled, are required to take the theoretical and practical course in military science and tactics. This course covers the entire period of the student's stay at the University.

The act of congress donating public lands for educational purposes requires that institutions that are the beneficiaries of such donations include military science and tactics in their course of instruction.

The system of practical instruction closely follows that used in the United States Army. Besides being excellent physical training this instruction has many advantages mentally. The necessity of being alert, listening for each word of command and acting promptly on it, quickens the wit, and cultivates the habit of fixing the attention and concentrating the thoughts. In addition, it inculcates in the student a respect for authority and discipline which is equaled by no other system.

The cadets are organized into one battalion composed of field staff, band, and four companies. The officers and non-commissioned officers are selected from those students who are most proficient in the military department, the captains and lieutenants being taken from the Senior and Junior classes, the sergeants and corporals from the Sophomore and Freshman classes. An office in the battalion is one of merit and distinction, and any unbecoming conduct subjects the appointee to reduction to the ranks.

The cadet band, of some twenty pieces, constitutes an interesting feature of the military organization. It receives the best instruction obtainable, practices three times a week, and takes part in all military ceremonies.

On the graduation of every class the professor of military science and tactics reports to the military secretary of the army the names of such students belonging to the class as have shown special aptitude for military service, and furnish a copy thereof to the adjutant-general of the state for his information. The President of the United States in appointing officers from civil life will undoubtedly give preference to those whose names are so recorded.

Cadet officers, on graduation, are breveted in the state guard with the rank held by them in the cadet battalion at the date of their graduation. The following is prescribed by the war department as the minimum course of military instruction:

PRACTICAL.—Infantry Drill Regulations; Field Service Regulations; Manual of Guard Duty; Firing Regulations for Small Arms.

Theoretical instruction shall include the portions of the above subjects covered by the practical instruction, and may be supplemented by lectures. Under the authority of the President of the United States the military department is inspected every year by an army officer specially detailed for this purpose. A copy of the report of the inspection is furnished the President of the University by the war department.

The Preparatory School

Fayetteville.

WILLIAM ALLEN RAMSEY, B. S., PRINCIPAL,

Mathematics.

620 Ida Ave.

B. S., Arkansas College, 1891; Principal, Public Schools, Walnut Ridge and Augusta, Arkansas, 1891-1894; Principal, Jordan's Academy, Pine Bluff, 1894-1896; Professor of Philosophy and Economics, Little Rock University, 1896-1897; Superintendent of Schools, Arkansas City and Benton, Arkansas, 1897-1905; present position since 1905.

NAOMI JOSEPHINE WILLIAMS, A. M...607 W. Dickson St.

Latin and History.

B. L. L., University of Arkansas, 1880; Private School Teacher, 1880-1885; A. M., University of Arkansas, 1884; Teacher in Public Schools, 1885-1887; present position since 1887; Student in University of Michigan, winter of 1901-1902.

MARY ANNE DAVIS.....327 Washington Ave.

English and History.

Graduate of Hamilton College, Lexington, Kentucky, 1888; Teacher in Public Schools, 1890-1892; present position since 1893; Course in English, University of City of New York, 1895, and University of Chicago, 1899.

ROBERT EDWARD PHILBECK, B. A....200 S. College Ave.

Mathematics.

Teacher in Public Schools, 1896-1898; B. A., University of Arkansas, 1900; Graduate Student, University of Arkansas, 1901; Principal, Fayetteville, Arkansas, High School, 1901-1902; present position since 1902.

DAISY YOUNG, B. A.....616 Ida Ave.

Mathematics.

B. A. University of Arkansas, 1900; Teacher, Springdale, Arkansas, College, 1900-1901; Teacher, Springdale Public School, 1901-1903; Teacher Hendrix Academy, Gentry, Arkansas, 1903-1904; present position since 1904.

GENEVIEVE CHRISTINE BRODERSEN, B. A.,

English, Latin and Mathematics.

358 Arkansas Ave.

B. A., Bardstown, Kentucky, Male and Female Institute, 1898; Teacher in the same institution, 1898-1899; present position since 1904; Special Summer Course in Columbia University of New York City, 1905.

RUPERT TAYLOR, B. A.....820 W. Maple St.

English.

B. A., University of Arkansas, 1903; Principal, Public High School, Texarkana, Texas, 1903-1905; present position since 1905.

ARTHUR McCracken HARDING, B. A.,

Mathematics.

214 E. Lafayette Ave.

B. A., University of Arkansas, 1904; Professor of Latin and Greek, Hinemon University School, 1904-1905; present position since 1905.

PEARL MARTIN, B. S. 416 Fletcher Ave.

English and History.

B. S., University of Arkansas, 1893; Teacher Public School, Hot Springs, 1895-1896; Public Schools, Fayetteville, 1896-1905; Elected to present position June, 1905. (Unable to serve on account of health).

EDNA ARLINGTON ALLEN, B. A. 314 W. Center St.

Latin, English and History.

B. A., University of Arkansas, 1896; Teacher in Public Schools, Muskogee, Indian Territory, 1899-1902; Principal, Muskogee Public School, 1902-1905; present position since 1905.

Instruction in German, civics, physics, pedagogy, woodworking, forging, drawing, bookkeeping and agriculture is given by collegiate professors.

As the name implies, this school is maintained for the purpose of preparing students for admission to the Freshman class in any course in the University. With this purpose in view, the courses have been arranged, and instruction is given accordingly. While, incidentally, it serves to furnish secondary training to many who have poor or no high school advantages at home, and who do not wish to pursue a collegiate course, still no special course is arranged for them. The course preparatory to the University normal course also prepares for teaching in the public schools of the state, and the professor of that department offers a special short course for teachers who do not desire to take the full normal course. Most of this work is done in the Preparatory School.

Students seeking to enter the Preparatory School should be thoroughly prepared for examination in the subjects required for admission to the class to which they seek entrance.

Requirements for Admission to the First Year Class.

Students desiring to enter the first year class will be examined in the following:

1. *Arithmetic.* The whole of common school arithmetic; an accurate knowledge of the properties of numbers, fractions, measurements, etc., and a good general knowledge of percentage and its applications.

2. *English Grammar.* The fundamental principles of English grammar and composition.

3. *United States History.* The leading facts in American History.

4. *Geography*. The whole of some complete manual of geography.

5. *Spelling and Writing*. Proficiency in these subjects is tested by the examination papers.

Requirements for Admission to the Second Year Class.

Students desiring to enter the second year class will be examined upon the following:

1. *Arithmetic*. A thorough and accurate knowledge of the whole of common school arithmetic.

2. *Algebra*. Academic algebra to simultaneous equations.

3. *English*. English grammar completed, and elementary composition.

4. *History*. An advanced United States history, studied with special reference to growth and development; History of England.

5. *Latin*. Bennett's Latin Lessons, or its equivalent, and easy sight reading. (Required of those desiring to study second year Latin.)

6. *Agriculture and Bookkeeping*. Elements of agriculture and single entry bookkeeping. (Required of those desiring to take second year agriculture.)

NOTE.—Students entering after the session has begun will be examined also in the work passed over by their class. Students who hold first grade teachers' licenses and who have had experience in teaching will be admitted, without examination, to the second year class in the subjects covered by the licenses. Other grades of teachers' licenses and certificates of work done in other schools will be recognized to some extent in classifying students. A student should always bring with him all report cards and certificates of school work.

Examinations at Places Other Than Fayetteville.

Students living at a distance from the University may obtain special local examinations if applied for in due time before the beginning of each session. The questions will be sent on application to the principal of any school or to any county examiner. The questions must be submitted by the principal or county examiner to the candidate under the usual restrictions of a written examination, and the questions and answers must be returned by the same officer to the University with his endorsement that the examination was properly conducted.

Courses of Study in the Preparatory School.

The Preparatory School consists of two sub-college classes, and students are required to complete sixteen hours' work in the first year class, and seventeen hours' work in the second year's class as a condition of promotion to the University Freshman class. A student, having completed the prescribed preparatory work in any subject, may be admitted to the Freshman class therein, provided no preparatory study is omitted for this purpose.

Special courses of study are discouraged in the Preparatory School, but students known to be in poor health or having physical defects which interfere with their studies, may be permitted by the faculty to defer one or more subjects and extend the course over a longer period.

The classification of preparatory students is governed by the rule stated under "Classification of Students" (page 42). Studies in lower classes have precedence of higher ones. Students cannot, therefore, omit studies in the Preparatory School and take up collegiate courses except in such cases as may be allowed by the faculty under paragraph (3) page 53.

The completion of thirty-three hours of the following work is required for entrance to the Freshman class in either the B. A. or B. S. course, and twenty-six hours for entrance to the Freshman class in any of the engineering courses.

FIRST YEAR CLASS.	Hrs. per week.	SECOND YEAR CLASS.	Hrs. per week.
Required Work, 12 hours.		Required Work, 13 hours.	
Arithmetic.....	2	Algebra.....	2
Algebra.....	3	Geometry.....	4
History of the United States and England.....	3	English.....	4
English.....	4	History of Greece and Rome...	3
Elective Work (selected from the following), 4 hours.		Elective Work (selected from the following), 4 hours.	
Latin.....	4	Latin.....	4
German.....	4	German.....	4
Nature Study.....	1	Physiology.....	2
Agriculture and Bookkeeping ..	3	Dairying and Bookkeeping.....	4
Woodwork.....	2	Physics.....	2
Forge Work.....	1	Civics.....	2
Total, 16 hours.		Total, 17 hours.	

NOTE.—Students desiring to take the course leading to the B. A. degree must elect either Latin or German in the preparatory classes. Students desiring to take the course leading to the B. S. degree may elect any four hours' elective work in each year. Those desiring to take any of the engineering courses may omit the history of Greece and Rome, and may elect any four hours of elective work. For the course leading to the Conservatory Course, see page 131.

Teachers' Course.

This course has been arranged for students who do not desire to take a full course at the University, but who wish to qualify themselves to teach in the public schools of this state.

FIRST YEAR CLASS.	Hrs. per week.	SECOND YEAR CLASS.	Hrs. per week.
Arithmetic	2	Algebra	2
Algebra	3	Plane Geometry.....	4
English.....	4	English.....	4
History of the United States and Arkansas.....	3	History of Greece and Rome...	3
Civil Government.....	2	Physic.....	2
Physiology, 2; Pedagogy, 1.....	3	Pedagogy	1
Latin.....	4	Latin.....	2

NOTE.—In this teachers' course it is intended that the completion of the first year's work shall prepare the student for a first grade license, and the completion of the second year's work for a professional license. Students desiring to prepare for the Normal Science Course will omit Latin; for the Normal Art Course, omit Civil Government, Physiology, and Physics.

Detailed Work of Courses.

FIRST YEAR CLASS.

MATHEMATICS, 5.—Lyman's Advanced Arithmetic; Milne's Academic Algebra to Simultaneous Equations.

ENGLISH, 4.—(1) *English Grammar*: Maxwell's Advanced Grammar. (2) *Composition*: Dictation; letter writing; classroom themes, one each week, written and rewritten, based on assigned general reading, with special attention given to spelling, punctuation, paragraphing and idiomatic expression. (3) *For General Reading*: Irving's Life of Goldsmith; Addison's Sir Roger de Coverley; Lowell's Vision of Sir Launfal; Coleridge's Ancient Mariner. (4) *For Careful Study*: Macaulay's Life of Johnson; Burke's Speech on Conciliation. (5) *For Memorizing*: Coleridge's Ancient Mariner; Lowell's Vision of Sir Launfal.

LATIN, 4.—Bennett's Latin Lessons; Collar's New Gradatim.

GERMAN, 4.—Lange's German Method; translation from German into English; elementary exercises in translating into German; memorizing of easy German songs,

HISTORY, 3.—Eggleston's New Century History of the United States and other texts for collateral study; History of England—text to be selected.

ELEMENTARY AGRICULTURE AND BOOKKEEPING, 3.—Elementary work in Agriculture, and a course in single entry bookkeeping.

WOODWORKING, 4.—Principles of carpentry and joinery; wood turning; cabinet work. Sickel's Exercises in Woodworking.

FORGING, 2.—Management of fire; drawing; welding; riveting; tempering.

SECOND YEAR CLASS.

MATHEMATICS, 6.—Milne's Academic Algebra through quadratics; Beman and Smith's Plane Geometry, completed.

ENGLISH, 4.—(1) *Rhetoric*: Hill's Beginnings of Rhetoric. 2. *Composition*: Class-room themes, one each week, written and rewritten, based upon assigned general reading, with especial attention given to spelling, punctuation, paragraphing and idiomatic expression. (3) *For General Reading*: Tennyson's Gareth and Lynette, Lancelot and Elaine; and the Passing of Arthur; Shakspeare's Macbeth, and Merchant of Venice; Scott's Ivanhoe, and Lady of the Lake; George Eliot's Silas Marner. (4) *For Care Study*: Shakspeare's Julius Cæsar; Macaulay's Essay on Addison; Milton's L'Allegro, Il Penseroso, Comus and Lycidas. (5) *For Memorizing*: Milton's L'Allegro, Il Penseroso, Comus and Lycidas, and selections from Shakspeare's Julius Cæsar and Tennyson's Idylls of the King.

LATIN, 4.—Four Books of Cæsar, or an equivalent; Bennett's Grammar and Exercise Book.

GERMAN, 4.—Review of grammatical principles with especial reference to syntax; reading of works of modern authors; composition; sight reading; assigned reading; memorizing of German songs.

HISTORY, 3.—Morey's Outlines of Greek History, first term; Morey's Outlines of Roman History, second term.

PHYSIOLOGY, 2.—Hutchinson's Physiology and Hygiene.

PHYSICS, 2.—Gage's Elements of Physics; lectures; laboratory and written work.

PEDAGOGY, 5.—Page's Theory and Practice of Teaching; Baldwin's Art of School Management; McMurry's General Methods; McMurry's Methods of Recitation; Buell's Psychology; James's Psychology.

CIVIL GOVERNMENT, 2.—Willoughby's Rights and Duties of American Citizenship; Arkansas and The Nation; and Reynolds' Makers of Arkansas History.

FREEHAND DRAWING, 4.—Practice work; outline drawing from models and machine parts; plan, elevation and section drawings.

AGRICULTURE AND BOOKKEEPING, 4.—Dairying three hours; Double Entry Bookkeeping and Commercial Law, one hour.

NOTE.—In the preceding courses, the figure after each subject indicates the number of hours per week.

The Conservatory of Music and Arts

Fayetteville.

JOHN NEWTON TILLMAN.....421 N. College Ave.
President.

HAZEL ARCHER YATES, Director.....123 College Ave.
Piano and Violin.

Pupil of Mr. and Mrs. E. L. Busch in the University of Arkansas; Mr. Marx E. Oberndorfer, Chicago; Herr Bruno Michaelis, Ft. Smith; Herr I. L. Schoen, St. Louis; and Mr. Ernest R. Kroeger, St. Louis; present position since 1904.

GERTRUDE CRAWFORD206 College Ave.
Voice Culture.

Pupil for four years of L. Gaston Gottschalk; later, pupil for two years of Frederic W. Root; Instructor in Vocal Music, University of Arkansas, 1897-1901, and 1903 to the present time.

FRANK BARR227 N. Maple Ave.
Band Instruments.

WILLIE VANDEVENTER-CROCKETT.....318 W. Lafayette Ave.
Elocution and Physical Culture.

Pupil of Mary Leverett-Taff; Jessie L. Cravens; Jessie Patton, and Will C. Milner, Chicago; Anna M. Chambers, Chicago; Frank Townsend Southwick and Genevieve Stebbins-Astley, Principals of the New York School of Expression; private teacher 1893-96; teacher in the Bolinger Conservatory at Ft. Smith, 1900-03; public reader appearing in lyceum courses, and at Chautauquas, 1902-5; present position since 1905.

FRANCES MCSWINE.....Vandeventer St.
Art.

CORDELIA BAIRDVandeventer St.
Art.

Students of the St. Louis School of Fine Arts; William Chase; Louie Mora; Howard Christy.

Purpose.

The fundamental idea of the management has been to make the Conservatory of Music and Arts complete and thorough in every respect, and to advance the pupils rapidly, yet carefully. In other words, the standard of efficiency must be so high that a certificate of study and ability granted here will possess a value recognized far and wide, and that pupils will choose to study here in preference to going to the great cities.

Tuition in the Conservatory of Music and Arts.

Owing to the fact that the state provides for the expenses of the music department and a portion of the salary of the instructors, the tuition is far below the usual price paid elsewhere for similar advantages.

One term (18 weeks) two lessons per week—Piano voice culture, string or band instruments.....	\$22 50
Harmony (in class)	5 00
Use of pianoforte for practice one hour daily.....	2 50
Elocution in classes free to University students.	
Regular art course, per month.....	5 00
Per term of three months.....	12 00
Teachers' art course, per month.....	1 50

All students are required to matriculate with the secretary of the University. The music and art students will pay the regular matriculation fee of five dollars in addition to their tuition.

The tuition is based upon a term of eighteen weeks, except when otherwise stated, and these rates do not apply for a less period. Tuition must be paid at the beginning of the term and receipt presented before taking lessons.

Rules and Regulations.

All arrangements must be made at the director's office (University Hall, room 26). The tuition is payable strictly in advance; if it is paid later, a higher rate is charged. Pupils may enter at any time, but will not be accepted for less than one term of eighteen weeks. No deduction can be made for lessons missed by the pupil, but such lessons may be made up within the term. Pupils are not allowed to take part in public entertainments without the knowledge and consent of the director. For further information, address the director.

Special Advantages of Conservatory Instruction.

Aside from the opportunity of instruction by teachers of recognized ability, the advantages of conservatory over private instruction are so manifest that we deem it hardly necessary to enumerate the many points in its favor.

It is almost impossible for the private teacher to give the required attention to the different instrumental branches, as well as the theoretical, such as harmony, counterpoint, composition,

ear training, etc., which are absolutely essential to a thorough musical training; at the same time, the lectures on musical history, the public recitals, as well as the close association of a large number of earnest students, create a certain musical atmosphere which is a great aid and stimulus to increased efforts on the part of pupils.

Recitals.

Especial attention is called to the recitals of both students and faculty, of which a number are given each year, and which have won a reputation for artistic excellence. The advantage derived from these can not be overestimated.

At the pupils' recitals, which are given at regular intervals, all students are privileged and expected to appear as their talents and advancement may warrant. Not only does this offer them a greater incentive to put forth their best efforts, but it helps them to overcome the nervousness which often mars the performance of students who have not the opportunity of performing frequently before an audience. The recitals given by members of the faculty have attracted especial attention, and, needless to say, are a further aid and attraction to pupils.

Orchestra.

Students of the violin and other orchestral instruments will, as soon as possible, be admitted to membership in the University orchestra, which takes part in all recitals and concerts. This practice is a decided advantage, as well as a source of pleasure to the student. Students derive great benefit from the orchestral and chorus practice, which is free to all students of the University. The work of the pupils in these branches has elicited the highest commendation.

Piano.

The method of pianoforte instruction is the "flexible wrist, loose arm system," inaugurated by Mendelssohn, Chopin, Thalberg, Gottschalk and continued by Liszt and Leschetizky and their pupils. The flexibility of the wrist is the only means of securing a full, noble, and rich tone from the piano. The keys should be pressed with a boneless hand and fingers of velvet.

Piano Practice.

Pupils can arrange at a very moderate expense to do their daily practicing at the University, in case this should prove desirable.

Violin.

The violin is by many considered the most difficult of instruments and requires careful and conscientious study. Much depends on the beginning. Often a pupil begins study with an inexperienced teacher, or one who does not concentrate his attention on this one most difficult instrument, and consequently falls into bad habits of position, bowing, or technique, that make advancement difficult, and are in many cases almost impossible to overcome. The pupil is taken from the beginning and carefully brought through the most difficult phases of the violin. In addition to his exercises, he is, as soon as possible, given pieces within his capacity.

The course of study includes the following: Mazas's Practical Method for the Violin; De Beriot's Violin School; Kayser's 36 Etudes, op. 20; Mazas's Etudes, op. 38; Rud. Kreutzer's Etudes; P. Rodes' 24 Caprices; pieces by Dancla; De Beriot; J. Weiss; Musim; David; J. Hubay.

Band Instruments.

Students of band instruments may, as soon as is practicable, be admitted to membership in the University band, which is under the direction of an experienced bandmaster.

Voice Culture.

In this branch special stress is laid on the control of the breath, accuracy of tone, and distinct articulation; next, the development of mind, body, and voice, co-operatively. There is study of intervals, scale building, sight reading. As early as practicable the student is trained in phrasing. Musical expression is artistically developed in harmony with the individuality of the pupil. The exercises used are those best adapted to the needs of the pupil. Songs of the best American, English, German, Italian and French composers are used according to the progress of the pupil. There is study of opera and oratorio.

Harmony.

Harmony includes keys, scales, intervals, formation of the triad, chord connections, and simple part writing, harmonizing basses, including all chords of the seventh and their inversions, altered and augmented chords, suspensions and modulation.

Sight Reading.

All music pupils will be given practice in sight reading, which will be a great aid in their regular work.

Teachers' Course.

Those desiring to become teachers will be given special preparation when they are sufficiently advanced in their branches.

Certificates.

In replying to the many inquiries regarding the period of study required for graduation, it must be said that it is difficult to answer this question, as all depends upon the ability and application of the student. Some will accomplish in one year what it takes others two or three times as long to complete. The term varies from four to six years. A graduate must be able to give acceptably a recital in the chosen branch, besides passing examinations in harmony, and the history of music. Certificates are conferred upon graduates. On request, certificates are issued on those finishing a portion of the whole course. As the standard set in this department is that required by the best conservatories of the country, a certificate obtained under these conditions has a meaning.

A fee of five dollars is charged for the certificate.

Music Course.

Leading to a Certificate in Music.

FIRST YEAR.	Hrs. per week.	SECOND YEAR.	Hrs. per week.
Music lessons	2	Music lessons	2
Practice (6 hours)	3	Practice (2 hours)	2
English	4	English	4
United States History	3	Greek and Roman History	3
Arithmetic	3	Elective	3
Total hours	15	Total hours	15

FRESHMAN.	Hrs. per week.	SOPHOMORE.	Hrs. per week.
Music lessons	2	Music lessons	2
Practice (12 hours).....	6	Practice (12 hours).....	6
Elocution.....	4	German 1 or French 1.....	3
English 1.....	3	Italian 1.....	3
		Elective.....	1
Total hours.....	15	Total hours.....	15

JUNIOR.	Hrs. per week.	SENIOR.	Hrs. per week.
Music lessons (2 piano or vocal, 2 harmony).....	4	Music lessons (2 piano or vocal, 2 harmony).....	4
Practice (12 hours).....	6	Practice (24 hours).....	12
German 2 or French 2.....	3		
Elective.....	2	Total hours.....	16
Total hours.....	15		

Music students not desiring to graduate, but merely to accomplish a specified amount of musical work, may have a special course laid out, according to their individual needs. Certificates stating just what they have taken will be given them upon request.

List of Piano Music Used.

FIRST YEAR PREPARATORY.

Kroeger's Elementary Course in Pianoforte Playing op. 38.

Duvernay's Ecole Primaire.

Lœschhorn's Easy Studies.

SECOND YEAR PREPARATORY.

Ascher's Twenty-four Studies.

Lœschhorn's Easy Studies; op. 65.

Plaiddy's Technical Studies.

Clementi's Sonatina in C; op. 36; No. 1.

Kuhlau's Sonatina in C; op. 20; No. 1.

Haydn's Andante, from "Surprise" Symphony (arranged by Sidus).

Chopin's Spring Waltz (op. posthume).

Schumann's Melody; op. 68.

Heller's Petite Tarantelle.

Goldner's Gavotte Mignonne.

FRESHMAN.

Bach's Twelve Little Preludes.
Bertini's Studies; op. 29.
Lœschhorn's Studies; op. 66.
Czerney's Etudes de la Velocite.
Beethoven's Sonatinas in G and G minor; op. 49.
Behr's Gavotte Pompadour.
Durand's Chaconne; op. 62.
Haydn's Gypsy Rondo.
Jungmann's Heimweh; op. 117.
Moszkowski's Mazurka in G; op. 10; No. 3.
Mozart's Sonata in C; No. 7.
Schumann's Reverie (Traumerei); op. 15; No. 9.

SOPHOMORE.

Heller's Studies; op. 47, 46, 45.
Cramer's Etudes (edited by Hans von Buelow), Books 1, 2.
Bach's Two Part Inventions.
Bach's Gavotte, G Minor.
Beethoven's Sonata in G; op. 14; No. 2.
Chopin's Mazurkas in B Flat, C and F.
Chopin's Preludes in E Minor, B Minor, and D.
Greig's Albumleaf in E Minor.
Henselt's Morning Serenade.
Kroeger's Greeting to Spring; op. 20; No. 2.
Jensen's Happy Wanderer; op. 17; No. 2.

JUNIOR.

Cramer's Etudes (edited by Hans von Buelow). Books 3, 4.
Bach's Three Part Inventions.
Taussig's Daily Studies.
Kroeger's Humoresque, in E Major (Cradle Song); op. 9.
Liszt's Consolations in E Major and D Flat.
Mendelssohn's Songs Without Words. Nos. 2, 4, 6, 9, 12, 35.
Mozart's Sonata in A.
Reinecke's Sonatina in D.
Schubert's Impromptu in A Flat; op. 142.
Schumann's Abendlied.
Schumann's Warum?
Seeling's Schilffied; op. 12.

SENIOR.

Clementi's *Gradus ad Parnassum* (Tausig).
 Kullak's *Octave Studies* (edited by E. R. Kroeger).
 Bach's *Gavotte*, D Minor.
 Beethoven's *Sonatas*.
 Chopin's *Nocturnes*; G Minor, B Major; F Minor.
 Chopin's *Valses*; E Flat, A Minor, F, C Sharp Minor.
 Chopin's *Polonaise* in A Major; op. 40; No. 1.
 Chopin's *Prelude* in D Flat.
 Jensen's *Will o' the Wisp*; op. 17.
 Kroeger's *Humoresque* in E Minor; op. 9; No. 1.
 Liszt's *Serenade* de Schubert.
 Liszt's *Love's Dream*, *Nocturne*.
 MacDowell's *Shadow Dance*.
 Moszkowski's *Valse* in A; op. 18; No. 1.
 Mozart's *Fantasie* and *Sonata*, C Minor.
 Raff's *Abends*; op. 55.
 Rheinberger's *La Chasse*; op. 5.
 Schubert's *Four Impromptus*; op. 90.
 Schumann's *Romance* in F Sharp; op. 28.
 Schumann's *Hunting Song*; op. 82; No. 5.
 Seeling's *Barcarolle*; op. 9.
 Tchaikowsky's *Chant Sans Paroles*; op. 2; No. 2.

List of Vocal Music Used.

FRESHMAN.

Marchesi's *Individual Exercises*.
 Panofka's *Vocalises*; op. 85.
 Studies for sight-reading and easy songs.
 Piano lessons for accompaniment playing.

SOPHOMORE.

Marchesi's *Individual Exercises*.
 Panofka's *Vocalises*; op. 81.
 Concone's *Vocalises*; op. 12.
 Studies for sight-reading and songs of second grade.
 Piano lessons for accompaniment.

JUNIOR.

Marchesi's Individual Exercises.

Sieber's Vocalises; op. 94.

Concone's lessons op. 17, and songs of some difficulty, including oratorio.

Harmony (Dr. Stainer's).

SENIOR.

Lamperti's studies in bravura.

Oratorio and operatic arias, and difficult songs in English, French, German and Italian.

Harmony completed.

History of Music.

ELOCUTION AND PHYSICAL CULTURE.

MRS. WILLIE VANDEVENTER-CROCKETT, *Instructor.*

I. Elocution.

1. The work comprehends all that relates to the study and the teaching of the fine art of public reading, the understanding of the relation of art to life; the study of the interpretative forms of literature and the careful training of all the faculties and agents necessary to the artistic translation of these forms back to life. The process of instruction founded upon recognized principles of art and life is revelatory and self-discovering, rather than arbitrary and academic.

The imagination is cultivated, the emotional nature is developed and controlled, and the will is strengthened by learning to follow a train of thought. The effects are naturalness, directness and repose.

2. Daily training in vocal expression, philosophy of expression, psychology of expressive movement (gesture), impersonation, public reading, oratory, drama, rendering of Shaksperian texts and caricature, study of literary masterpieces for interpretation, training of the speaking voice, the voice treated as an instrument. The object of the training is to free and develop this instrument and render it obedient and responsive to thought and emotion.

Lectures on the physiology and hygiene of the voice, and the relation of the vital organs to the vocal; the fundamental principles of voice production and its relations to the nervous system;

deep and rhythmic breathing; placing of tones; projection of tones; development of resonance, flexibility, freedom, smoothness, purity, power and brilliancy of tone; voice as an interpretator of mental states and its relation to imagination and feeling; overcoming individual defects in vocal organs; clear articulation and perfect enunciation.

3. *Oratory*.—A study and delivery of some of the great orations and the methods adopted by the leading orators; Bible and hymn reading; practice in the laws that govern universal art as applied to oratory and original speeches.

4. The chief aim of the work is to awaken the student; to free him from constrained, limited and erroneous habits of thought, action and voice; to open his avenues of impression; to quicken his imagination and to give him knowledge and control of his agents of expression; to lead the student into a knowledge and understanding of the interpretative forms of literature, the poem, the story, the oration, the caricature, the play; to develop his emotional response to his thought and to train him to control his emotions by his artistic judgment.

Text-books used are Townsend Southwick's *Elocution and Action, Steps to Oratory*; Genevieve Stebbins-Astley's *Physical Culture, Studies of Literary Masterpieces, Shakspeare's plays*.

II. Physical Culture.

1. *Gymnastics*. The aim of this work is to develop the body symmetrically, and to produce a normal condition as a basis for health and grace.

Work with gymnasium apparatus; drill with wands, dumb bells, bars, Indian clubs, "setting-up exercises," marches and fancy steps; gymnasium games, including basket ball; exercises adapted to overcome individual defects; rhythmic drills given to break lines of limitation and awkward appearance in the body.

The Delsarte system of physical culture and other systems, as the Swedish and the Ralston, are used as the individual needs of the pupils require.

2. *Gesture*. The principles of Delsarte are used. The mind is developed to think intelligently on a subject, thereby causing the body to respond properly as an aid to this expression. Right concepts are inculcated and proper physical drill is given to develop the whole body harmoniously. The aim sought in gesture

and bodily expression is truthfulness, completeness, unity, and intensity of expression with individuality and originality.

The pupils are taught to analyze all gestural movements and to detect any false movement and the psychological state that caused it. By this method, after the pupil is trained, false bodily expression in rendering is as impossible as false sound in vocal expression.

3. *Lectures.* These are given on etiquette, morals, manners, laws of hygiene, hygienic dress, æsthetic and artistic culture as revealed by nature and art, and the relationship of nature and art.

ART.

MISS FRANCES McSWINE AND MRS. CORDELIA BAIRD, *Teachers.*

Branches Taught.

Drawing, oil, water color, and pastel; pen and ink, from still life, casts, and life; decorative art; wood carving; pyrography.

Regular Course.

FIRST YEAR.

Charcoal and pencil drawing from casts, still life and nature. Water color sketching from still life and nature.

SECOND YEAR.

Drawing from casts and life; painting in oil; pastel and water color from life and still life; and sketching out of doors in any medium.

THIRD AND FOURTH YEARS.

Drawing and painting in any medium from life, still life, and landscape; studies in composition.

A special course of free-hand drawing and water color has been arranged for students preparing for public school work.

Students wishing to study decorative oil alone are required to take a short course in drawing first. All students are required to read something of the history of art and artists, and as much as possible keep up with what is doing in the artistic world. A specialty is made of outdoor sketching. There will be a summer school in this line, beginning in April and lasting the entire summer.

College of Agriculture

Officers of Instruction and Administration.

JOHN NEWTON TILLMAN, B. L. L.,
President.

WILLIAM GEORGE VINCENHELLER. .321 Washington Ave.
*Dean of the College of Agriculture, and Director of the
Experiment Station.*

ROBERT ROBSON DINWIDDIE, M. D., V. S.728 W. Maple St.
Veterinary Science.

M. D., College of Physicians and Surgeons, St. Louis, 1896; Veterinary Surgeon, Ontario Veterinary College, 1886; Veterinarian to the Agricultural Experiment Station since 1887.

ERNEST WALKER, B. S. A.524 Leverett St.
Professor of Horticulture.

B. S. A., Cornell University, 1897; Instructor in Horticulture, Cornell University, 1897; Assistant Professor of Horticulture, Clemson College, and Entomologist and Assistant Horticulturist of the South Carolina Experiment Station, 1897-1898; Professor of Entomology, Clemson College, and Entomologist of the South Carolina Experiment Station, 1898-1900; present position since 1900; State Entomologist, 1903-1905; member of the Society for Horticultural Science, and Association for the Promotion of Science; Secretary of the State Horticultural Society since 1900, State Vice-President of the American Pomological Society.

GEORGE ALBERT COLE, B. S., A. M.763 W. Dickson St.
Professor of Agriculture.

B. S., Emory and Henry College, 1882; A. M., *ibid.*, 1892; Principal of Liberty Academy, Va., 1883-1885; Teacher, Poplar Grove, Ark., 1886-1889; Superintendent of Schools, Springdale, Ark., 1889-1891; Principal of the Jefferson School, Fayetteville, Ark., 1891-1892; First Assistant or Principal of the Preparatory School, University of Arkansas, 1892-1904; present position since June, 1904.

JOHN HENRY NORTON, B. Agr., B. S.300 W. Center St.
Agricultural Chemistry.

B. Agr., Missouri State University, 1897; B. S., Missouri State University, 1899; Teacher of Chemistry, High School, Springfield, Mo., 1899-1901; Assistant Forest Expert, Bureau of Chemistry, United States Department of Agriculture, 1901-1903; Pure Food Chemist, North Dakota, 1903-1904; present position since 1904.

VICTOR ALBERT HOOPER.518 Leverett St.
Dairy Husbandry.

Dairy Graduate, Ontario Agricultural College, 1901; Instructor, Dairy Husbandry, Ontario Agricultural College, 1902-1903; present position since 1904.

CHARLES FREDERICK ADAMS, B. Agr., A. M., M. D.,
Entomology. 305 W. Center St.

B. Agr., University of Missouri, 1897; A. M., University of Kansas, 1903; M. D., University of Kansas, 1902; Assistant in Entomology, University of Missouri, summer of 1897; Instructor in Histology and Pathology, Kansas City Medical College, 1900-1902; Professor of Histology and Bacteriology, Kansas City Dental College, 1900-1904; Snow Research Scholarship in Entomology, and Graduate Student, University of Kansas, 1902-1904; Assistant in Zoology, and Graduate Student, University of Chicago, 1904-1905; present position since 1905.

ROBERT WILLIAM WADE, B. S. A. 518 Leverett St.
Animal Husbandry.

B. S. A., University of Toronto, 1905; present position since 1905.

JOSEPH LEE HEWITT, B. S. in Agr. 2 Duncan St.
Horticulture.

B. S. in Agr., University of Missouri, 1905; present position since 1905.

Instruction in the College of Agriculture is divided into the following departments:

1. Department of Agricultural Chemistry.
2. Department of Agronomy.
3. Department of Animal Husbandry.
4. Department of Dairy Husbandry.
5. Department of Entomology.
6. Department of Horticulture.
7. Department of Veterinary Science.

The College of Agriculture, while distinct from the other divisions of the University in its buildings and equipment, is closely correlated in its work.

In addition to the regular classes in the College of Agriculture, the students will be admitted to the library, museum, laboratories, and to all lectures and instruction of the University, and to all other rights and privileges granted to other students.

When the new buildings, now in the course of construction, are completed there will be provided in them lecture rooms and laboratories, which will add greatly to the facilities for instruction.

Three courses in agricultural work are offered, all of them including subjects in agronomy, animal husbandry, dairying, entomology, horticulture and veterinary science. They are:

1. THE COLLEGIATE COURSE of four years, leading to the degree, Bachelor of Science in Agriculture. It is designed to give the

student a broad education in the sciences and arts related to agriculture. The work for the first two years is prescribed, the subjects being so chosen as to offer a good foundation for the more specialized work of the Junior and Senior years. Two-fifths of the entire course is elective, so it permits high specialization in any of the several branches of agriculture, and at the same time makes possible the selection of a well-rounded college course.

This course is described in detail on pp. 140-1.

2. A SPECIAL COURSE of two years leading to a certificate. This is made up of the most practical of the subjects offered in the four-year course. Necessarily, it does not offer so great opportunities for special work, nor so broad an education, still, it does offer a thoroughly practical and comprehensive treatment of the most important phases of scientific farming.

This course is outlined on page 147.

3. A SHORT WINTER COURSE of two weeks, consisting of a series of lectures with practical demonstrations on subjects of live interest to the practical farmer. This does not lead to any degree or diploma, and is essentially a course for the busy man who can spare but a few weeks in each year.

This course is more fully described on pp. 148-9.

THE COLLEGIATE COURSE IN AGRICULTURE.

For the requirements for admission, see pp. 42-3.

The following outline shows, in the work of the first two years and part of the third, the basis on which specialization in the third and fourth is to rest. At the beginning of the Junior year each student must choose his specialty, and *elective studies can be taken only with the consent of the instructor under whose charge this subject is given.*

FRESHMAN YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
English, (1), T. Th. F. 2.....	3	English, (1), T. Th. F. 2.....	3
Chemistry, (1), M. W. 3, F. 6 & 7	3	Chemistry, (1), M. W. 3, F. 6 & 7	3
Biology, (1), M. 7, Th. S. 3 & 4..	3	Biology, (1), M. 7, Th. S. 3 & 4..	3
Horticulture, (1a), T. F. 3, Th. 6		Horticulture, (1b), T. F. 3, Th. 6	
and 7	3	and 7	3
Animal Husbandry, (1a), W. 1.	1	Animal Husbandry, (1b), W. 1..	1
Agronomy, (1a), M. W. F. 4....	3	Agronomy, (1b), M. W. F. 4....	3
Drill, M. T. W. 8.....	.....	Drill, M. T. W. 8.....	.....

SOPHOMORE YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
Dairying, (2a), M. T. 1, 6 & 7...	4	Drawing, (2a), M. T. 6 & 7	2
Entomology, (1a), W. Th.1, 6 & 7	4	Trigonometry, (1b), M. W. F. 4,	3
Physics, (1), M. W. F. 3	3	Physics, (1), M. W. F. 3	3
Animal Husbandry, (2a), F. 1..	1	Animal Husbandry, (2b), T. 3..	1
Agronomy, (2), T. Th. 2	2	Agronomy (2b), T. Th. 2	2
Horticulture (3a), M. W. 2	2	Shop Work, (1a) W. Th. 6 & 7..	2
Drill, M. T. W. 8 .....	.....	Elective	3
		Drill, M. T. W. 8 .....	.....

JUNIOR YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
Geology, (6), M. W. F. 3	3	Soil Physics, M. W. F. 6 & 7....	3
Veterinary Science, (3a), T.Th.1	2	Veterinary Science, (3b), T.Th.1	2
Veterinary Clinic, S. 2 & 3	1	Veterinary Clinic, S. 2 & 3)	1
Surveying. (2 & 3) M.W.3.Th.5-8	3	Elective	9
Elective	6		

SENIOR YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
Elective	15	Elective	15

THE COURSES IN DETAIL.

It is provided that subjects offered below but not prescribed in the above outline may be withdrawn unless four or more students enroll for it.

Subjects having the letter (a) following the number are offered only in the fall term, those with the letter (b) only in the spring term, and those with no such letter extend throughout the year.

AGRONOMY.

G. A. COLE, *Professor of Agriculture.*

1. (a) SOILS.—Their origin, classification, properties, relation to animal and plant production; tillage in its relation to available plant food; tillage implements and operations; drainage; irrigation. Three hours. M. W. F. 4. *Required of Freshmen.*

(b) MANURES, FERTILIZERS AND FARM CROPS.—Farm manures; proper methods of handling and saving; the composition and value and application of farmyard manure. Fertilizers: Classification; fertilizers used chiefly as sources of nitrogen; fertilizers used chiefly as sources of phosphoric acid, the nature and general composition of phosphates, the selection of phosphoric acid fertilizers; fertilizers used chiefly as sources of potash; complete fertilizers; indirect fertilizers and their effects. Farm crops: Classification; crop rotation, systems of rotation, benefits of rotation. Three hours. M. W. F. 4. *Required of Freshmen.*

2. (a) FARM CROPS.—Seed propagation; planting; the plant and the functions of its parts; mowing and pastures; perennial grasses; clovers and alfalfa; corn and cotton; methods of cultivation; rotation best adapted to the state; grain judging. Two hours. T. Th. 2. *Required of Sophomores.*

(b) FARM BUILDINGS, MACHINERY AND TOOLS.—Location, construction and management of stables, barns, silos, roads and fences; farm machinery and tools; water supply. Two hours. T. Th. 2. *Required of Sophomores.*

3. (a) RURAL ECONOMY.—General farm management; labor; marketing; transportation—a study of the value of lands; the existing conditions of the agricultural industry, the possibilities and advantages of farm life. Two hours. Elective.

(b) EXPERIMENTS.—Records and discussions of experiments conducted by the experiment stations. Two hours. Elective.

4. (a) IRRIGATION AND DRAINAGE.—The subject will be treated from the farmers', fruitgrowers' and gardeners' standpoints. Three hours. Elective.

(b) DRAINAGE.—This is a continuation of course 4 (a) with practice in laying out drains, fixing the grade; maps and records; road drainage; estimates of costs; benefits and profits of land drainage. Three hours. Elective.

AGRICULTURAL CHEMISTRY.

J. H. NORTON.

1. (b) SOIL PHYSICS.—This course is meant as a continuation of the course in geology and will consist principally of laboratory work on the mechanical analysis of soils, soil temperature

and the movement of soil moisture. Three hours. M. W. F. 6 and 7. *Required of Juniors.*

2. AGRICULTURAL CHEMISTRY.—*Prerequisites: Chemistry 1, 3a, 5.* This will consist principally of laboratory work on fertilizers, foods and feeding stuffs, dairy products and soils. Six hours. *Elective, throughout the year.*

ANIMAL HUSBANDRY.

R. W. WADE.

1. (a) The judging of cattle, horses, swine and poultry. One hour. W. 1. *Required of Freshmen.*

(b) The care and management of live stock. One hour. W. 1. *Required of Freshmen.*

2. (a) The study of breeds. One hour. F. 1. *Required of Sophomores.*

(b) Beef, mutton and pork production. One hour. T. 3. *Required of Sophomores.*

3. (a) The principles of breeding and the judging of farm animals. Two hours. *Elective.*

(b) Principles of feeding. Two hours. *Elective.*

4. (a) The judging of live stock and the study of breeds and pedigrees. Two hours. *Elective.*

(b) Feeds and feeding. Two hours. *Elective.*

DAIRYING.

V. A. HOOPER.

1. ELEMENTARY DAIRYING.—This course is very practical in nature and is designed especially to meet the needs of the student entering in the two-year course in agriculture. It will consist of two laboratory periods and one recitation period per week. Laboratory periods and recitation will treat of the secretion and composition of milk, the Babcock test, the application of the lactometer, separation of milk by gravity and by centrifugal force, butter making in farm dairies, cream ripening. Three hours. M. 2; M. W. 3 and 4. *Required in the two-year course.*

2. (a) FARM DAIRYING.—This course consists of two laboratory and two recitation periods per week. The work will be

along the line of that offered in course 1, but will be more advanced and will give the student a working knowledge of dairying in general. Four hours. M. T. 1, 6 and 7. *Required of Sophomores.*

3. (b) BUTTER MAKING.—Two recitation periods and two laboratory periods per week. Advanced work in butter-making treating of factory conditions will be given. Four hours. Elective in the Junior year. Must be preceded by 2a.

4. (a) CHEESE MAKING.—Two recitation periods and three laboratory periods per week. The laboratory work takes up the manufacture of Cheddar cheese and the recitations deal with the manufacture of Cheddar and fancy cheeses. Five hours. Elective in the Junior year. Must be preceded by course 2 (a).

ENTOMOLOGY.

C. F. ADAMS.

1. (a) GENERAL ENTOMOLOGY.—Lectures and laboratory work on anatomy, physiology, metamorphosis, classification and habits of insects. Special attention is given to the economic relation of insects to agriculture and horticulture. Inspection and methods of control, including machines and insecticides, are considered. Two recitations and four hours laboratory per week. W. Th. 1, 6 and 7. Four hours. *Required of Sophomores.*

2. (a) ADVANCED ENTOMOLOGY.—A course in insect morphology. Lectures and laboratory work on gross and minute anatomy, physiology, embryology and neurology. Must be preceded by course 1. Three hours. Elective.

3. SYSTEMATIC ENTOMOLOGY.—Mostly laboratory work on classification of the Hexapods. Course 1 is required and course 2 is desirable as prerequisite. The nature of the work will depend somewhat on the preparation of the student. He will be given the privilege of selecting any group for special study. Three hours. Elective.

4. ADVANCED ECONOMIC ENTOMOLOGY.—Mostly laboratory work on beneficial and injurious insects. The student is expected to make use of the available literature in his studies of the various economic problems. Three hours. Elective.

5. (b) INSECT BIONOMICS.—Lectures and demonstrations on variations, distribution, dimorphism, mimicry, development of

color patterns, ecology and phylogeny of insects. Must be preceded by courses 1 and 2. Three hours. Elective.

6. RESEARCH.—Work given for the special student. After he has selected his special problem the student is expected to carry on his studies under the direction only of the head of the department. *Prerequisites* depend on the nature of the problem. Three hours. Elective.

HORTICULTURE.

E. WALKER, *Professor.*

J. L. HEWITT, *Assistant Horticulturist.*

1. (a) PHYSIOLOGY OF PLANTS.—A study of the subject from the horticultural standpoint. Three hours. T. Th. F. 3. *Required of Freshmen.*

(b) PRINCIPLES OF PLANT BREEDING.—Environment; variation; heredity; cross pollination; selection; improved varieties; evolution of fruits and vegetables. Three hours. *T. Th. F. 3. *Required of Freshmen.*

2. (a) HORTICULTURAL STRUCTURES AND CONVENIENCES.—Hot-beds; cold-frames; pits; greenhouses—materials, construction, heating, ventilation, management; implements. Two hours. T. Th. 4. Elective.

(b) PROPAGATION OF PLANTS.—The various methods by which plants are multiplied; spores, seeds, cuttings, budding, grafting; transplanting. Two hours. T. Th. 4. Elective.

3. (a) FRUIT CULTURE.—Orcharding; viticulture; small fruits, with reference to kind and varieties best adapted to the state; cultivation; marketing; insects and diseases, spraying and other methods of control. Two hours. M. W. 2. *Required of Sophomores.*

(b) VEGETABLE GARDENING.—Studies in the growing of the principal vegetables adapted to the state, for home use and market; insects; diseases. Two hours. M. W. 2. Elective.

4. SPECIAL WORK AND PRACTICE.—Technical study and handicraft for advanced students. The work will be arranged to suit the needs of the students. Two hours. Elective.

5. (a) HORTICULTURAL LITERATURE.—One hour. Elective.

(b) SPECIAL STUDIES AND REPORTS.—This, with 5 (a), is intended to supplement 4. It is recommended that it be taken only in connection with 4. One hour. Elective.

6. (a) FORESTRY.—An elementary course of lectures, either for a general knowledge of the subject or as an introduction to more advanced work. Two hours. Elective.

(b) DECORATIVE GARDENING.—A general consideration of the subject from the standpoint of its bearing on the home grounds. For more technical work 4 may be taken. Two hours. Elective.

7. (a) FORCING OF VEGETABLES AND FLOWERS.—Two hours. Elective.

(b) COMMERCIAL POMOLOGY.—A study of markets and marketing of fruits; transportation, packing, accounting. Two hours. Elective.

8. EXPERIMENT STATION WORK.—To* give something of an insight into experiment station methods. Hours to be arranged. Elective.

NOTE.—Two hours of work in the spring term of the sophomore year and the equivalent of three hours throughout the junior and senior years, all chosen from the foregoing subjects, will be required of students making horticulture their specialty.

9. (a) GENERAL HORTICULTURE.—This is an abridgement of several of the above courses and is intended for candidates for the L. I. certificate. It may be elected by others outside of the College of Agriculture. Two hours.

VETERINARY SCIENCE.

R. R. DINWIDDIE.

3. The course will include so much of the essential branches of veterinary science as can be usefully acquired and applied by students in agriculture. It will consist of lectures, recitations, and practical exercises throughout the Junior year. Three hours. *Required of Juniors.*

(a) Anatomy and physiology of the domesticated animals; hygiene and the prevention of disease in farm animals; general veterinary pathology; prevention and control of contagious stock diseases. T. Th. 1.

(b) Special veterinary pathology; individual diseases and their treatment; minor surgical operations. T. Th. 1.

CLINICS.—The weekly demonstration on animals brought for free treatment. S. 2, 3.

4. (a) BACTERIOLOGY.—In relation to disease and agriculture. One hour. Elective in the Senior year.

SPECIAL COURSE.

This course, as pointed out before, is practical in its nature, and is made up largely of work chosen from the longer course with this point in view. It is prescribed with the exception of four hours in the second term of the second year. *Students will be admitted at the discretion of the professor in charge of classification*, and will be classified as special students in agriculture. This course can be made to take the place, in part, of the first two years of the longer course, by students who, after a year or two years in it, may wish to make that change. However, students making this change must fulfill all the requirements of the four-year course. It is advised, and it will be economy of time, to enter the long course at the beginning, if possible.

The following is an outline of the two years' course:

FIRST YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
Agriculture, T. Th., 1.....	2	Agriculture, M. 1, W. 2.....	2
Animal Husbandry (1a), W. 1..	1	Animal Husbandry (1b) W. 1...	1
English, T. Th. F. 2.....	3	English, T. Th. F., 2.....	3
Dairying (1) M. 2, M. W. 3 and 4	3	Dairying (1), M. 2, M. W. 3 and 4	3
Horticulture, T. F. 3, Th. 6 and 7	3	Horticulture, T. F. 3, Th. 6 and 7.	3
Drawing (2a), M. W. 6 and 7...	2	Drawing, M. W. 6 and 7.....	3
Shop Work (1a), T. F. 6 and 7..	2	Shop Work, T. F. 6 and 7.....	2
Drill, M. T. W., 8.....	.....	Drill, M. T. W., 8.....	.....

SECOND YEAR.

FIRST TERM.	Hrs.	SECOND TERM.	Hrs.
Agriculture, M. 1, T. 3.....	2	Agriculture, T. Th., 4.....	2
Animal Husbandry (2a), F. 1...	1	Animal Husbandry (2b), T. 3...	1
Chemistry (1), M. W. 4, F. 6	3	Chemistry (1), M. W. 4, F. 6, 7..	3
and 7.....	3	Veterinary Science, W. F., 1...	2
Horticulture, T. Th. F., 2.....	3	Veterinary Clinic, S. 2 and 3....	1
Physics (1), M. W. F., 3.....	3	Physics (1) M. W. F., 3.....	3
Entomology, W. Th. 1, 6 and 7..	4	Elective.....	4
Drill, M. T. W. 8.....	.....	Drill, M. T. W., 8.....	.....

SHORT WINTER COURSE.

This course has been established in response to a demand for instruction in agriculture adapted to men who, for one reason or another, can not attend the regular courses during the entire year. By means of it men of mature years who have the care of their farms on their hands, will be enabled to receive instruction of a practical nature on agricultural subjects that are live and up to date. Many young men, too, who are needed on the farm during the season of active work, can get an insight into what the State University is doing in the way of agricultural education, and at the same time gain sound knowledge on the subject of farming. The work is, if possible, more purely practical than either of the longer courses. And the fact that the students entering this short winter course will come without preparation in the scientific branches, makes it necessary that the instruction be such as will find everyday application on the farm. The broader scientific principles prominent in the other courses must be omitted, or so narrowed as to apply to the matter in hand. The lectures offered will be on subjects that are live in the agricultural world and demand discussion. In this way the work will change from year to year and it will be profitable to attend the course more than once. It is hoped also that some who take this course will see their way clear to enter the longer course and get more thorough training than is possible to offer in two weeks.

There are no entrance requirements other than that the students shall be over sixteen years of age, of good character and earnestly desirous of gaining information. The subjects offered will embrace the following in the different lines of agriculture:

AGRICULTURE.—The lectures in agriculture will include these subjects:

- (a) Farm crops.
- (b) Soils, culture and rotation of crops.
- (c) Grasses and clovers.
- (d) Fertilizers, their uses and application.
- (e) Live stock, breeds, breeding and feeding.
- (f) Stock and grain judging.

DAIRYING.—The lectures and practical work in dairying will include these subjects:

- (a) Separating milk.
- (b) Milk testing.
- (c) Buttermaking.
- (d) The care and management of the dairy herd.
- (e) Judging dairy cows.

HORTICULTURE.—The lectures in horticulture will include these subjects:

- (a) Principles of plant growth.
- (b) Propagation of plants, pruning, grafting, etc.
- (c) Planting and care of orchards.
- (d) Insect and fungus diseases of plants.
- (e) Spraying and cultivation.

Aside from the above there will be lectures on timely subjects, and whenever possible special lectures by specialists and experts outside of the experiment station staff.

TIME.—The short winter course will begin on the second Monday in January and will continue for two weeks.

Full details of this course will be given in a special circular which will be ready for distribution in June, 1906, and will be sent free upon application to the Director of the Experiment Station.

The Agricultural Experiment Station

Fayetteville.

WILLIAM GEORGE VINCENHELLER,
Director.

ROBERT ROBSON DINWIDDIE M. D., V. S.,
Pathologist and Bacteriologist.

ERNEST WALKER, B. S. A.,
Horticulturist.

JOHN HENRY NORTON, B. Agr., B. S.,
Chemist.

VICTOR ALBERT HOOPER,
Dairy Husbandman.

CHARLES FREDERICK ADAMS, B. Agr., A. M., M. D.,
Entomologist.

ROBERT WILLIAM WADE, B. S. A.,
Agriculturist.

JOSEPH LEE HEWITT, B. S. in Agr.,
Assistant in Horticulture.

The office of the Director of the Experiment Station is in the new Agriculture Building, a brick structure of two stories and basement recently built to be the home of the College of Agriculture. It has a well-lighted laboratory room in the basement, four large lecture rooms on the first floor and a library and the offices of the director on the second floor. It is well arranged for its purpose and will serve admirably until the growth of the college demands more room. The offices of the other members of the Experiment Station staff are in two buildings devoted especially to them, a single story brick building of eleven rooms and another of four rooms. The experimental work is carried on on a farm

of somewhat more than a hundred and twenty acres just west of the college. The experiment grounds are open to students in the College of Agriculture and form an excellent means of illustrating the practical parts of the courses in the college work. The grounds are also open to visitors, except where the admission of the public would interfere with the experimental work. It is the policy of the Experiment Station to supplement the work of the College as far as possible. In fact the Experiment Station and the College of Agriculture are closely interwoven and the work of the two is to the same end—the benefit of the farm interests of the state through the dissemination of a more thorough knowledge of modern agricultural methods. The personnel of the two is largely the same also.

The agricultural division of the Experiment Station has in its barns horses, mules, hogs, and poultry which, with the cattle of the dairy division, afford the opportunity for study and experimentation in care and feeding of these animals for the best results. On the farm experiments are carried on with grains and forage crops and other field crops to determine the comparative value of varieties, the best methods of culture, and the best care for the farm in general.

The dairy division has a new two-story stone building which has rooms devoted to the use of the college and the station dairy. The dairy is managed so as to furnish an example of the modern commercial dairy. The dairy herd of cattle furnishes means for experiments in feeding, etc. Their product, together with some milk bought locally, furnishes material for experiments with dairy products. Students are given practical instruction in dairy methods.

The horticultural division has a greenhouse, a small hothouse, hotbeds, etc., which serve as means for carrying on experiments in forcing. The orchard and grounds contain many varieties of apples, peaches, pears, plums, cherries, and small fruits which serve as material for experiments with varieties, methods of culture, pruning, and spraying. Also experiments are carried on with garden vegetables.

The other divisions have the necessary laboratories and equipment to carry on their work in the buildings and grounds of the Experiment Station.

The bulletins of the Experiment Station can be had by addressing the *Director of the Experiment Station, Fayetteville, Ark.*

The Medical School

Little Rock.

JOHN NEWTON TILLMAN, B. L. L.,
President.

CLEBURNE WATKINS, M. D.,
Emeritus Professor of Medicine.

EDWIN BENTLEY, M. D., U. S. A. (Retired),
*Professor of the Principles and Practice of Surgery, and
President of the Faculty.*

JAMES HORACE LENOW, M. D.,
Professor of the Diseases of Genito-Urinary Organs.

LOUIS RAOUL STARK, M. D.,
Professor of Gynecology.

EDWIN RICHARD DIBRELL, M. D.,
Professor of Medicine.

FRANK VINSONHALER, M. D.,
Professor of Ophthalmology and Otology.

THOMAS NEEDHAM ROBERTSON, A. B., LL. B.,
Professor of Medical Chemistry and Toxicology.

WILLIAM HAMILTON MILLER, M. D.,
Professor of Obstetrics.

FRANK LUCAS FRENCH, M. D.,
*Professor of General Descriptive and Surgical Anatomy,
and Secretary of the Faculty.*

CARLE EDWIN BENTLEY, M. D.,
Professor of Clinical Surgery and Dermatology.

JOHN R. DIBRELL, M. D.,
Professor of Surgical Pathology and Bacteriology.

WILLIAM CONNOR DUNAWAY, M. D.,
Demonstrator of Anatomy.

ANDERSON WATKINS, M. D.,
*Professor of Physiology, and Assistant in Clinical Surgery
and Dermatology.*

- CALEB ERVIN WITT, M. D.,
Professor of Materia Medica, Therapeutics, Hygiene and Botany.
- EDGAR EUGENE MOSS, A. M., LL. B.,
Professor of Legal Medicine.
- REZIN WRIGHT LINDSEY, M. D.,
Lecturer and Clinical Instructor in the Practice of Medicine.
- WILLIAM PAUL ILLING, M. D.,
Lecturer and Clinical Instructor in Diseases of the Nervous System.
- MORGAN SMITH, M. D.,
Lecturer and Clinical Instructor in the Diseases of Children.
- ROBERT LEE RUSSELL, M. D.,
Lecturer and Clinical Instructor in the Practice of Medicine.
- WILLIAM ANDERSON SNODGRASS, M. D.,
Assistant in Gynecology.
- JOHN GIBSON WATKINS, M. D.,
Assistant in Otology and Ophthalmology.
- ARTHUR RIECE STOVER, M. D.,
Assistant in Clinical Medicine.
- JAMES CLAUDE CUNNINGHAM, M. D.,
Assistant in Obstetrics.
- J. L. DIBRELL, M. D.,
Assistant in Pathology and Bacteriology.
- ARTHUR ELIAS SWEATLAND, M. D.,
Assistant Demonstrator of Anatomy.
- AARON LEE CARMICHAEL, M. D.,
Assistant Demonstrator of Anatomy.
- OSCAR GRAY, M. D.,
Assistant Demonstrator of Anatomy.
- MAHLON DICKERSON OGDEN, M. D.,
Assistant Demonstrator of Anatomy.
- WASHINGTON McRAE, Ph. G.,
Instructor in the Chemical Laboratory.
- WILLIAM GOODWIN, M. D.,
ORANGE KING JUDD, M. D.,
Prosectors of Anatomy.

Twenty-Eighth Annual Announcement

Of the Medical School of the University of Arkansas.

The regular course of lectures will begin on Monday, October 15, 1906, and continue until April 13, 1907.

Lectures will be delivered daily during the six days of each week.

The matriculation book will be open from and after September 1 to students desiring to matriculate early and secure choice of seats.

In making this annual announcement the faculty feels great satisfaction in referring to the continued success and prosperity of the medical department. The cordial indorsement of the Arkansas Medical Society, and the generous influence of the medical profession throughout the state, are highly appreciated and encourage the members of the faculty to continue the arduous labors which they have so long and zealously maintained.

FOUR YEARS' GRADED COURSE.

The advanced stand taken by the faculty in adopting the four years' graded course as required by the Association of American Medical Colleges, seems to be appreciated by members of the medical profession, and students as well, as is shown by the number and higher educational standing of students since its adoption.

MATRICULATION.

In conformity with the rules and regulations of the Association of American Medical Colleges, students on matriculating are required to present (*a*) credentials showing that they are matriculates or graduates of recognized colleges of literature, science or arts, of high schools, academies, normal schools or equivalent schools, or (*b*) teachers' certificates.

Graduates and matriculates in medicine, dentistry or pharmacy, on presenting proper credentials, are exempt from the entrance examination.

To avoid delay, students entitled to matriculate without examination are requested to bring their certificates with them and present them on arrival at the college.

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Students not entitled to exemption, as hereinbefore provided, are required to pass an entrance examination, with the following requirements: The writing of an English composition of not less than two hundred words; the translation of easy Latin prose; a knowledge of the elements of arithmetic or algebra and of elementary physics.

Students who may be unsuccessful on their entrance examinations, or any subject or subjects, are allowed one year to qualify themselves; they may register and pursue their studies one year, but they can not begin the studies of the second year until they have passed the required entrance examination.

These examinations are reasonable, their only object being to ascertain whether students are sufficiently educated to profit by medical study.

Students who have the entrance requirements will be entitled to additional credit for time on the four years' course, as follows:

(a) To students having the A. B., B. S., or equivalent degrees from reputable literary colleges, one year of time. (b) To graduates and students of colleges of homœopathic or eclectic medicine, as many years as they attended those colleges, provided they have met the previous requirements of this school and passed an examination in materia medica and therapeutics. (c) To graduates of reputable colleges of dentistry, pharmacy and veterinary medicine, one year of time.

CURRICULUM.

FIRST YEAR.—Anatomy, Practical Anatomy, Physiology, Chemistry, Physics, Histology, Medical Ethics and Materia Medica.

SECOND YEAR.—Anatomy, Practical Anatomy, Physiology, Chemistry, Materia Medica, Pathology, Obstetrics.

THIRD YEAR.—Materia Medica and Therapeutics, Toxicology, Obstetrics and Diseases of Children, Physical Diagnosis, Diseases of the Eye and Ear, Practice of Medicine, Surgery.

FOURTH YEAR.—Review of all branches—Practice of Medicine, Surgery, Dermatology, Gynecology, Bacteriology, Urinology, Venereal Diseases, Diseases of the Nervous System, Medical Jurisprudence.

Students are required to stand an examination each year before being advanced.

LOCATION.

The city of Little Rock is conveniently situated in the center of the state, and railroads enter from every direction, making it easily accessible.

It has a population of more than sixty thousand, and has always been classed as one of the healthiest cities west of the Mississippi River. Few places can boast of better educational facilities than Little Rock. All of the eleemosynary institutions of the state are located here. These are the school for the blind, the deaf mute institute and the insane asylum.

MEDICAL SCHOOL BUILDING.

The new structure is an imposing edifice, three stories in height, constructed of brick, and admirably arranged for the convenience of both students and instructors.

It has a large lecture hall, a fine amphitheater with chairs, a library, a reading room, a museum, several dissecting rooms, all well lighted and ventilated. In fact, it is designed to be a modern and model medical college building. It is situated on Second and Sherman Streets.

HOSPITALS.

By the munificence of the late Colonel Logan H. Roots, and the benevolence of his widow, the city of Little Rock possesses the elegant Logan H. Roots Memorial Hospital. The medical department of the University is fortunate in having this hospital situated on lots adjoining and directly connected with its own building, thus giving greatly increased clinical facilities.

St. Vincent's Infirmary, designed solely for the treatment of acute diseases, has a capacity of nearly a hundred beds. This hospital is splendidly equipped and furnished with modern conveniences and improvements, is in the very best sanitary condition, and under the supervision and management of trained nurses, sisters of charity. This magnificent institution, conveniently situated, is the finest and best equipped institution of its kind in the Southwest, and is up to date in every respect.

The Pulaski County Hospital, erected at a cost of some thirty thousand dollars, is a handsome brick structure, well arranged, complete in all its equipments, and has a capacity of two hundred beds.

Victims of railway accidents, marine patients, and the sick and injured of the city, county and state find in these hospitals shelter, food, raiment and that Christian attention so cheering and comforting in sickness and distress. The inmates of these different institutions embrace all classes and conditions of people—white, colored, male, female, adults and children. Among them is found almost every form of malady, except quarantinable diseases, which are otherwise provided for.

THE ISAAC FOLSOM CLINIC.

This clinic is thus designated in honor of the late Dr. Folsom, and in consideration of his liberal endowment with the sum of twenty thousand dollars. The daily instruction in this clinic is thoroughly practical, and is attended by a large number of outdoor patients from the city and surrounding country. It embraces a wide range of diseases and injuries. More than six thousand patients were in attendance last year.

METHODS OF TEACHING.

Instruction will be given by didactic and clinical lectures, practical work in the dissecting room, chemical and physiological laboratories, and by daily quizzes on the subject of preceding lectures.

When the subject will permit of it, each branch will be so illustrated by means of diagrams, charts, models and instruments as to address the understanding of the student through the medium of sight as well as hearing.

TEXT-BOOKS.

The faculty recommends one or the other of the following text-books in the several departments:

Surgery—Da Costa, Warren & Gould, Dennis' System, Wharton & Curtis; Orthopedic Surgery—Whitten, Moore; Operative Surgery—Stimson, Wharton, Bickham, Bennie; Materia Medica and Therapeutics—Hare, Butler, Potter; Theory and Practice—Anders, Tyson, Osler, Hare; Diagnosis—Musser, Simon, Tyson, Wood, Boston; Anatomy—Gray, Eckley Dissector; Physiology—Kirk, Stewart; Histology—Dunham, Baum, Davidhoff & Huber; Bacteriology—Abbot, Park, Williams, Gorhams; Pathology—Green, Mallory & Wright, Delafield; Chemistry—Simon's Manual of Chemistry, Rockwood's Chemical Analysis for Medical Students, Reese's Manual of Toxicology; Obstetrics—Hirst, Edgar, Kings, Garrigues; Diseases of Women—Mont-

gomery, Ashton, Hirst; Diseases of Children—Holt, Tuttle, Taylor & Wells, Graetzer; Diseases of the Eye—Swanzy, Jackson, Hansell & Sweet; Diseases of the Ear, Throat and Nose—Bacon, Burnett, Coakley, Kyle, Knight; Genito-Urinary Organs—Morton, Taylor, White & Martin; Dermatology—Jackson, Croker, Shoemaker; Botany—Gray; Dictionary—Dunglison, Goulds, Dorland; Hygiene—Harrington, Bergey; Rectum—Gant, Tuttle.

EXPENSE OF LIVING.

The expense of living in the city of Little Rock will, of course, vary according to the views and habits of the students. Good board, at the present time, including lodging, fuel and lights, may be had at a convenient distance from the college, at from four dollars to six dollars per week, and from thirteen dollars to eighteen dollars per month.

Students on their arrival are requested to visit the University building at the corner of Second and Sherman Streets, where a list of persons desiring to board medical students will be found.

Persons desiring further information are requested to address the secretary of the faculty.

REQUISITES FOR GRADUATION.

Each candidate for graduation must produce satisfactory evidence of good moral character, and of having attained the age of twenty-one years. No candidate shall be eligible for final examination for graduation unless he files the proper official evidence that he has matriculated at some regular college for four sessions, and in the course of the same has attended four full courses of instruction in anatomy (including dissections), physiology, chemistry, materia medica, therapeutics, obstetrics, surgery, pathology, bacteriology and practice of medicine. The last of the four full courses must be attended at the Medical School of the University of Arkansas. No four consecutive courses of instruction shall be held as satisfying these requirements unless the time between the beginning of the first course and the end of the fourth is greater than forty-two months. The candidate must have paid all the college fees. He must present to the secretary before the first of March the amount of his graduation fee. In case of failure to pass a satisfactory examination the money will be refunded.

FEES.

Table of fees for every year of the four-year course :

	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
Matriculation.....	\$ 5 00	.....	.....	.....
Professors, lectures, etc.....	60 00	\$60 00	\$60 00	\$60 00
Graduation, diploma, etc.....	.....	.....	.....	25 00
Total	\$65 00	\$60 00	\$60 00	\$85 00

There are no fees for special courses or quizzes in this college. No professor or assistant is allowed to receive a fee for instruction. No extra charge will be made for dissecting material, demonstrator's or hospital tickets. No variation is made, under any circumstances, from the established fees of the school, they having been placed originally at the very lowest figure commensurate with the interests of both student and school.

Law School of the University of Arkansas

JOHN NEWTON TILLMAN, B. L. L.,
President.

Faculty.

JOHN HUGH CARMICHAEL, LL. B., DEAN,
*Contracts, Domestic Relations, Judgments, Constitutional
Law, Conflict of Laws.*

JOHN FLETCHER, LL. M.,
Real Property.

GEORGE WASHINGTON MURPHY, LL. B.,
Law of Evidence.

TOM M. MEHAFFY, LL. B.,
Law of Torts.

EDWARD WADSWORTH WINFIELD, LL. B.,
Law of Bailments.

JESSE C. HART, LL. B.,
Equity Jurisprudence.

LEWIS RHOTON, LL. B.,
Criminal Law, Practice and Procedure.

THOMAS NEEDHAM ROBERTSON, LL. B., SECRETARY,
*Agency, Negotiable Instruments, Pleading and Practice,
Insurance.*

THOMAS EDWARD HELM, LL. B.,
Fraudulent Conveyances.

AUGUSTUS MARION FULK, LL. B.,
Law of Corporations.

R. E. WILEY, LL. B.,
Bankrupt Law.

WILLIAM BURT BROOKS, LL. B.,
Law of Partnership.

Lecturers.

U. S. SENATOR JAMES P. CLARK.
JUDGE JACOB TRIEBER.
MORRIS MATTHIAS COHN.
JAMES HARWOOD HARROD.
GEORGE B. ROSE.

Course of Instruction.

The course of instruction covers a period of two years, consisting of four terms. A shorter period is deemed insufficient for the proper preparation of the student of the law for his profession. In the language of a distinguished jurist, "He who is not a good lawyer when he comes to the bar will seldom be one afterwards." The method of instruction consists of daily recitations upon previously assigned lessons in the text-books, with special lectures to emphasize the conclusions of the author and to enlarge the student's conception of them. The system of instruction, with daily recitations largely predominating, is regarded as superior to either the recitation or lecture system when pursued alone. In addition, students are required to prepare and submit to the professors legal papers in the form of briefs upon the various topics of the text-writers, thus combining the abstract theory of the law with its practical application to the different sets of facts embraced in the various decisions of the courts consulted by the student in preparing his paper. The course of study for the two years will embrace the subjects named and assigned, as follows:

JUNIOR YEAR.

FIRST TERM.—Contracts, Agency, Commercial Paper, Torts, Bailment.

SECOND TERM.—Criminal Law, Evidence, Pleading, Insurance, Partnership.

SENIOR YEAR.

FIRST TERM.—Real Property, Equity, Corporations, Domestic Relations, Frauds and Fraudulent Conveyances, Sales.

SECOND TERM.—Real Property, Judgments, Constitutional Limitations, Conflict of Laws, and Lectures upon Federal Practice, Bankruptcy, Medical Jurisprudence and Legal Ethics.

The first term of both Junior and Senior courses begins on the third Monday in September; the second term of each course begins on the third Monday in January and ends on the first Friday in June.

Admission.

Though we fully appreciate the advantages of a thorough collegiate training in the various academic branches as a preparation for the study of the law, we have not made this acquirement a prerequisite to admission to this department. Applicants will be permitted to take up the studies of the Junior course who are possessed of a fair English education, such as may be acquired in our public schools. Students may be admitted to the Senior course upon producing sufficient proof of their having given the necessary time and study to the different subjects of the law, either in another law school or under the direction of a practicing lawyer, but no student will be granted the degree until he has passed a satisfactory examination on all the branches embraced in the full course for two years.

List of Text-Books.

Anson on Contracts; Reinhard on Agency; Daniel and Douglass on Negotiable Instruments; Hale on Torts; Mechem's Elements of Partnership; Van Zile on Bailments; Clarke on Criminal Law; Greenleaf on Evidence; Bryant's Code Pleading; Vance on Insurance; Tiedeman on Real Property; Eaton on Equity; Clarke on Corporations; Freeman on Judgments; Rogers on Domestic Relations; Cooley on Constitutional Law; Minor, on the Conflict of Laws; Tiffany on Sales; Frank on Bankrupt Law; Curtis on Jurisdiction of United States Courts; Huges on Federal Practice; Reese on Medical Jurisprudence.

Moot Courts.

Moot courts begin with the last term of the Junior year and continue throughout the course, and are termed the judicial department of the school, and embrace all the courts—justice, probate, circuit and supreme—all modeled according to the constitutional requirements of the state.

The supreme court shall consist of three judges, a chief justice, and two associates. The circuit court shall consist of one judge, a clerk, and a sheriff, to be elected by the students. County and

probate court shall consist of one judge, a sheriff, and a clerk, to be elected by the students. Justice of the peace court shall consist of a member of the Senior class, who shall be elected by the student body.

These courts shall be under the immediate supervision of the dean, who will be assisted by the members of the faculty in compiling statements of facts embracing principles of law pertaining to the respective branches under their instruction.

Goar Lyceum.

This society is composed of the students of both the Junior and Senior years, and meets regularly every Wednesday night during the session. The exercises consist chiefly of theses and debates embracing subjects legal in their nature. The performance of these exercises is insisted upon by the faculty, for such practice enables the student to acquire the invaluable art of learning to think while on his feet, besides giving him an easy manner of address in public speaking.

Examinations.

Written examinations are held each term in the presence of a member of the faculty.

Degree.

The degree of Bachelor of Laws is conferred upon all students who have passed an examination on each of the subjects embraced in the course, and have attained the average standard grade of proficiency.

Class Honors.

Upon the student attaining the highest average grade in a class is conferred the first honor; upon the one attaining the next highest, the second honor; and upon the one making the next highest, the third honor.

The faculty authorize the selection of three orators to deliver orations at the commencement exercises, as follows: The Senior class, one; the Junior class, one; and the Goar Lyceum, one.

The Rt. Rev. W. K. Lloyd, D. D., of Little Rock, offers a prize of twenty-five dollars in gold to the student graduating with the highest average grade of proficiency in all branches.

Advantages of Location.

Each student may use the supreme court library, which contains about twenty thousand volumes, including all the reports from the year books to the seventieth Arkansas. During his course of two years the student may see one session of the legislature. The supreme court is in session about nine months of the year. A federal district court and the circuit court of appeals hold a session in Little Rock each winter. Two state circuit courts are in session about nine months in the year. The student of equity has an opportunity to observe some of its practical workings in a chancery court. Little Rock has a county and probate court, and about fourteen justices of the peace. The members of the Little Rock bar are kind and courteous to students and willing to aid them in any and every way. As Little Rock has a semi-tropical climate, it is just the place to spend a winter free from intense cold.

Professional Ethics.

At the same time that the endeavor is made to impart a knowledge of the fundamental principles of the law, the subject of professional ethics will be given special attention and its demands constantly impressed upon the minds of the students as indispensable to the attainment of an honorable and successful career as a lawyer.

Admission to the Bar.

By a recent act of the general assembly all graduates of the law department of the University of this state are admitted to the practice of law in the supreme court and all inferior courts of the state without the requirement of an examination.

Tuition and Expenses.

Tuition, Junior course, payable on entrance.....	\$50 00
Tuition, Senior course, payable on entrance.....	50 00
Board and lodging, per month.....	\$15.00 to 20 00
Diploma	5 00

Text-books can be procured with students' discount.

No library or society fees are required of students.

All communications should be addressed to the Secretary,

T. N. ROBERTSON, LL. B.,
Little Rock, Arkansas.

The Branch Normal College

Pine Bluff.

ISAAC FISHER, Principal,
Psychology, Ethics, and Pedagogy.

ABRAHAM WILLIS JOHNSON,
Mathematics, English, and Latin.

FREDERICK THOMAS VINEGAR,
Latin, Mathematics, and Physics.

ELLA CHARLOTTE MAYS,
Algebra, Arithmetic, Ancient History, and Music.

THOMAS CLAY OGBURN,
Chemistry, Geography, United States History.

SADIE M. PEEBLES,
Free Hand Drawing, English, and Arithmetic.

MAMIE BRAWLEY JUNE,
Dressmaking.

BURTON NEILL WILSON, B. Sc. M. E.,
Superintendent of Mechanic Arts.

WILLIAM STEPHENS HARRIS,
Assistant Superintendent of Mechanic Arts.

JAMES LINCOLN ROSS,
Machine Shop and Forge.

GENERAL STATEMENT.

The Branch Normal College is a division of the University of Arkansas, established pursuant to an act of the general assembly of the state of Arkansas, approved April 25, 1873, and has been in operation since September 27, 1875. Its primary object is the training of teachers for efficient service in the colored public schools of the state. Tuition is made free to all appointees, the only requirements for admission being suitable age and qualification, appointment by one of the county judges, and the payment of the matriculation fee of five dollars. Other students pay in addition one dollar per month in advance.

EQUIPMENT.

The college property consists of a beautiful tract of twenty acres of ground, in the suburbs of Pine Bluff, Jefferson County. A handsome and comfortable school building, a dormitory for girls, and manual training shops, containing as complete an equipment as can be found in any similar shops in the South.

REQUIREMENTS OF ADMISSION.

Candidates must be at least sixteen, if young men, and fourteen, if young women; and must pass satisfactory examinations in arithmetic, English grammar, geography and United States history.

APPOINTMENT OF BENEFICIARIES.

By the laws of the state, the appointment of students to the Branch Normal College in numbers from each county in the state is the same as to the parent University at Fayetteville. The power is vested in the county courts, but any vacancies occurring during the vacations of the court shall be filled by the judge of the county court.

All students thus appointed are entitled to four years' free tuition upon the payment of five dollars' matriculation fee in advance at the time of entering the institution.

These appointments are not transferable, and students holding them must be very careful that their conduct is not such as will lead to their forfeiture; and it may also be stated that the principal reserves the right to declare forfeited the appointments of those students who are not present at the opening of the autumn term.

Students planning to enter the college should go to their county judges for appointments, which, if received, must be brought to the college. Blanks for appointments may be secured by addressing Principal Isaac Fisher, Pine Bluff, Ark.

NORMAL DEPARTMENT.

The college offers a good course of training for those who plan to become teachers. More and more the aim will be to give scientific instruction in the matter of teaching the branches of public schools. Arrangements have been made with the superin-

tendent of the Pine Bluff public schools by which the student-teachers of this college may inspect the school system in actual operation. Candidates completing the work of this department will be granted the certificate of Licentiate of Instruction (L. I.). Applicants must pass a satisfactory examination in the ordinary English branches to be able to enter the school.

CLASSICAL DEPARTMENT.

Candidates completing this course will be granted the degree of Bachelor of Arts (A. B.), but no candidate failing to write and submit an original thesis to the teacher of English will be given this degree. The subject of this thesis, must be selected in December of the Senior year.

THE MECHANIC ARTS DEPARTMENT.

This department offers a splendid opportunity to young colored men to become skilled blacksmiths, machinists, engineers and firemen. The mechanic arts course and the manual training normal course are strong combinations of shop work and literary training. It is hoped that these courses will from time to time attract young men who desire to fit themselves for higher usefulness by preparing for the pursuit of those occupations for which there is a strong demand. In addition to these there is offered a course in woodworking, which comprises cabinet making, pattern making and carpentry.

DEPARTMENT OF DRESSMAKING.

Young women are here given an opportunity to learn plain sewing, crocheting and art needlework. There is a fine outfit of sewing machines and other requisites for doing the work planned by this department.

TYPEWRITING AND STENOGRAPHY.

These subjects are taught one hour each day. Shorthand classes will be formed whenever a sufficient number of students desire to pursue this study.

MILITARY DRILL.

The young men of the college have been organized into a battalion of cadets to promote habits of neatness, order, and

punctuality, and to develop an ennobling self-control in every young man connected with the school.

Under the military system thus established, it is aimed to exercise that control of the cadets which is so essential to easy and proper discipline. All young men are subject to the drill regulations.

PHYSICAL EXERCISE.

An athletic association for the purpose of fostering clean athletics and at the same time giving healthful exercise, has been organized under the direction of a member of the faculty, who will see that no excesses are indulged in and that sports do not interfere with the work of the other departments. Physical culture for young women is also a feature of the college work.

PUBLIC RHETORICALS.

Twice every month public rhetoricals are held in the chapel and all students are subject to assignment on the programs.

RELIGIOUS LIFE.

Prayers are held in the chapel every morning except Saturdays and Sundays. All students are required to attend these devotions. On Sundays, the students who board in the town attend the various churches, while the girls living in the dormitory are taken to the churches of their several choices by members of the faculty.

HOLIDAYS.

The exercises of the college are suspended for one day at Thanksgiving, one on Washington's Birthday, and about ten days at Christmas.

LECTURE COURSE.

A course of lectures on live topics is given during the year. These are free, both to the students and to the public.

TRUSTEES' PRIZE.

This prize consists of twenty-five dollars, and is given to "that member of either of the two highest classes who shall during commencement week pronounce the best oration on any one of a number of subjects to be selected by the principal."

GENERAL EXERCISES.

The general exercises include reviews of the Sunday school lessons and of the events of the week; also music and drawing. There are regular lessons in vocal music which are given to all students. Students will frequently be required to give public evidence of their skill in using the library intelligently. All exercises must be attended faithfully.

EXPENSES.

For all students, matriculation fee, in advance.....	\$ 5 00
Board, fuel, and light, for girls in the dormitory.....	8 00
Board, fuel, and light, in private families.....	\$8.00 to 10 00
Non-beneficiary students, for tuition, per month.....	1 00

Books at usual retailers' price.

Entrance fees and board bills are payable in advance.

For further information concerning any department of the college, address the principal,

ISAAC FISHER,

Pine Bluff, Ark.

Register of Students

THE COLLEGE.

Abbreviations.—B. A., Bachelor of Arts; B. S., Bachelor of Science; B. M. E., Bachelor of Mechanical Engineering; B. C. E., Bachelor of Civil Engineering; B. E. E., Bachelor of Electrical Engineering; B. Mi. E., Bachelor of Mining Engineering; M. A., Master of Arts; M. S., Master of Science; C. E., Civil Engineer; E. E., Electrical Engineer; M. E., Mechanical Engineer; L. I., Licentiate of Instruction.

Graduates.

Name.	Course.	Post Office.	Boarding Place.
Braly, Amanda Lida, B. A.	Sp.	Fayetteville	340 Arkansas
Carr, Wallace Bradbury, B. S.	Sp.	Quincy, Mass.	204 W. Dickson
*Cochrane, Victor Hugo, B. C. E.	C. E.	Pittsburg, Pa.	
Droke, Leila Ruth, B. A.	M. A.	Fayetteville	103 Hill
Hardin, Nina Vashti, B. A., M. D.	Sp.	Fayetteville	148 Hill
Harding, Arthur McCracken, B. A.	M. A.	Fayetteville	214 E. Lafayette
*McConnell, John Lorenzo, B. C. E.	C. E.	Winona Lake, Ind.	
*Middleton, Robert J., B. C. E.	C. E.	Kansas City, Mo.	
Nelson, Rufus Jerry, B. S.	M. S.	DeQueen	17 Hill
Norton, John Henry, B. S.	M. S.	Fargo, N. Dak.	Bachelors' Hall
Oishi, Zenki,	M. A.	Kumamoto, Japan	17 Hill
Olney, Lee Sedwick, B. E. E.	E. E.	Mena	820 W. Maple
Taylor, Rupert, B. A.	M. A.	Jonesboro	820 W. Maple
			Total, 13.

Seniors.

Andrix, Earl Russel	B. M. E.	Fayetteville	R. F. D. No. 2
Austin, Robert Lee	B. A.	Fayetteville	½ Mile N. W. U.
Ballard, Ben Calvin	B. A.	Durham	Ballard's
Barrett, Frank Brown	B. C. E.	Jonesboro	Buchanan Hall
Blackshire, Plaut Leslie	B. C. E.	Piggott	Buchanan Hall
Borders, John Mallory	B. S. A.	Fayetteville	Borders'
Brockman, Edwin Wilson	B. A.	Garnett	Buchanan Hall
Brunskog, Carl Waldemar	B. C. E.	Bentonville	Buchanan Hall
Campbell, Lonnie Lee	B. A.	Newport	Buchanan Hall
Catts, Erwin Campbell	B. M. E.	Washington	Buchanan Hall
Collins, Thomas Abe	B. A.	DeQueen	Buchanan Hall
Craig, Percy Gaines	B. A.	Little Rock	703 W. Dickson
Croom, Cleveland	B. A.	Dardanelle	213 N. Church
Cubage, John Granville	B. A.	Amity	Buchanan Hall
Dalton, Charles E	B. E. E.	Fayetteville	226 S. College
Delony, Ernest	B. A.	Hope	Buchanan Hall
Feild, William Terry	B. M. E.	Little Rock	Gregg House

*Not in residence.

Name.	Course.	Post Office.	Boarding Place.
Foreman, Charles Doss	B. S. A.	Chelsea, I. T.	17 Hill
Gardner, Joseph Watt	B. A.	Lacrosse	Buchanan Hall
Harding, Charles Tomlinson	B. C. E.	Fayetteville	357 Wash.
Holland, Wyatt Cleveland	B. A.	Greenwood	Buchanan Hall
Hunt, Harry Gillham	B. A.	Walnut Ridge	640 Leverett
Hurst, George Abner	B. A.	Fayetteville	Geo. W. Hurst's
Jacks, Maston Edwards	B. Mi. E.	Marianna	735 W Dickson
James, John John	B. A.	Maysville, I. T.	Mr. James's
Johnson, Maybelle	B. A.	Fayetteville	16 W. Block
Johnston, James Henry	B. S. A.	Auvergne	Buchanan Hall
Leverett, Storer	B. S.	Fayetteville	Leverett
Mashburn, Ernest Eugene	B. C. E.	Melbourne	Hill Hall
McCrory, Grover Garland	B. C. E.	McCrory	Buchanan Hall
Mesler, Rector Duval	B. S.	Fayetteville	Gregg House
Mitchell, Brainard, Jr.	B. M. E.	Oneco	Mrs. Hankins'
Morrow, Donald Blackburn	B. E. E.	Booneville	Neely's
Mullins, Thomas Clinton	B. C. E.	Fayetteville	Buchanan Hall
Nordmeyer, Charles Dudley	B. S.	Fayetteville	Nordmeyer's
Oates, Charles Everett	B. A.	Oppelo	Hill Hall
Payne, Brodie	B. A.	Hot Springs	Buchanan Hall
Pope, Arthur D	B. A.	Magnolia	Buchanan Hall
Pratt, Darwin Hippolyte	B. S.	Fayetteville	C. L. Pratt's
Pruett, Grover Cleveland	B. C. E.	Denning	Buchanan Hall
Pruett, John Riley	B. C. E.	Denning	Buchanan Hall
Rhyne, James Rush	B. S.	Ben Lomond	Buchanan Hall
Sadler, Daniel Kennard	B. A.	Booneville	Buchanan Hall
Schimmelpennig, Charles William	B. C. E.	Little Rock	Buchanan Hall
Stanford, James Butt	B. S. C.	Fayetteville	J. C. Stanford's
Stockton, Irene Graeme	B. A.	Little Rock	W. H. Ramsey's
Stone, James Hicks	B. S.	Fayetteville	B. H. Stone's
Taber, Harry Breck	B. A.	Little Rock	703 W. Dickson
Weber, Louis William	B. A.	Hindsville	Hill Hall
Wilson, Constant Perkins	B. S. A.	Ft. Smith	Mrs. Neeley's
Wilson, Nellie Collins	B. A.	Ft. Smith	Dr. Davies'
Winters, Winston Lee	B. C. E.	Ft. Smith	Buchanan Hall

Total, 52.

Juniors.

Albright, Ella	B. A.	Barren Fork	Mrs. Hooper's
Baker, Grover Clinton	B. E. E.	Harrison	637 Leverett
Balch, Coleridge Paine	B. A.	Nelson, I. T.	Buchanan Hall
Ballard, Jerrod	B. A.	Durham	Ballard's
Blair, Daniel Baxter	B. C. E.	Decatur	Buchanan Hall
Blair, Leora	B. A.	Van Buren	Mrs. Ellis'
Bolinger, Walter Allen	B. A.	Lead Hill	725 W Dickson
Braly, William Corrick	B. M. E.	Fayetteville	340 Arkansas
Bryant, William Cullen	B. A.	Nashville	Buchanan Hall
Carter, Hugh Reuben	B. C. E.	Fayetteville	505 E. Rock
Cazort, Charles Anthony	B. S. A.	Lamar	Mrs. Triplett's
Coker, Adam	B. C. E.	Lead Hill	Buchanan Hall

Name.	Course.	Post Office.	Boarding Place.
Coker, Roy	B. C. E.	Lead Hill	Buchanan Hall
Combs, Walter	B. C. E.	Cotter	Buchanan Hall
Crozier, Ruth Margaret	B. A.	Fayetteville	116 East
Davis, Lyta	B. S.	Fayetteville	410 Arkansas
Davies, Samuel Green	B. C. E.	Fayetteville	207 N. College
Deane, Sidney Edward	B. C. E.	Fayetteville	R. F. D. No. 2
Dickson, Enos Howell	B. E. E.	Desha	637 Leverett
Feathers, John Edward	B. C. E.	Fayetteville	109 N School
Harding, Vernon Alexander	B. E. E.	Fayetteville	375 Wash.
Hillman, Charles Clark	B. S.	Almyra	Hill Hall
Holt, James Seaborn	B. S.	Bellefonte	375 Dickson
House, Joseph Warren, Jr.	B. A.	Little Rock	Mrs. Neelly's
Hughes, Leslie Claire	B. Ch. E.	Fayetteville	531 N. College
Hyatt, Robert Lee	B. S.	Monticello	Mrs. Curry's
Johnson, Arthur Joe	B. A.	Garnett	Hill Hall
Mahony, Joseph Kirby	B. A.	ElDorado	Gregg House
McConnell, James Edgar	B. A.	Charleston	Hill Hall
McCulloch, Doddridge	B. A.	Marianna	735 W. Dickson
Mitchell, Owen Cecil	B. Ch. E.	Fayetteville	729 W. Dickson
Moore, Henrietta	B. A.	Fayetteville	J. M. Moore's
Murphy, John William	B. E. E.	Fayetteville	Greenhouse
Oliver, Bessie	B. A.	Fayetteville	C. M. Oliver's
Orr, Milan Kenton	B. Mi. E.	Ft. Scott, Kan.	Mrs. Moore's
Parker, Arthur Clarence	B. S.	Paris	Buchanan Hall
Powell, Howard Emory	B. C. E.	Prescott	703 W. Dickson
Pugh, Anna	B. A.	Fayetteville	618 Ida
Reagan, Zenas Lytton	B. C. E.	Fayetteville	503 Wash.
Reed, Kenneth A.	B. E. E.	Gregory	Buchanan Hall
Risser, Elizabeth Inez	B. A.	Fayetteville	108 N. East
Ross, James Harvey	B. M. E.	Fayetteville	Mrs. Ross
Shook, Sarah	B. A.	Fayetteville	119 Hill
Shore, Rena Buchanan	B. A.	Fayetteville	317 N. College
Sively, George Murphy	B. S.	Ellsworth	Hill Hall
Smilie, Robert Percy	B. C. E.	Leslie	Buchanan Hall
Spradlin, Brutus Augustine	B. A., L. I.	Franklin	Buchanan Hall
Stanley, Joseph Hopkins	B. A.	Augusta	20 E. Dickson
Stelzner, William Boyd	B. E. E.	Anadarko, Okla.	T. Buttram's
Stewart, Sanford	B. A. A.	Magnolia	Buchanan Hall
Thomas, Benjamin Forrest	B. A.	Fayetteville	J. R. Bates'
Tidball, Nell	B. A.	Fayetteville	W. Dickson
Townsley, Freeland Page	B. A.	Little Rock	207 College
Tucker, Marshall Ernest	B. S. A.	Fayetteville	R. F. D.
Tyson, William Claud	B. C. E.	Camden	Buchanan Hall
Umbaugh, Ollie Laurel	B. A.	Springdale	Mrs. Ellis's
VanValkenburg, William Moore	B. E. E.	Warren	20 E. Dickson
Watson, John Thomas	B. C. E.	Little Rock	Gregg House
Weld, Gean Granada	B. A.	Mariana	566 Arkansas
Wilson, John Melvin	B. S. A.	Evening Shade	Greenhouse
Wood, John Shirley	B. Ch. E.	Little Rock	Mrs. Curry's
York, Joseph Othel	B. A.	Bellefonte	Buchanan Hall

Total, 62.

Sophomores.

Name.	Course.	Post Office.	Boarding Place.
Barrett, Reuben	B. S.	Jonesboro	Buchanan Hall
Barton, Maud Lee	L. I.	Cove	Ellis'
Belknap, Joel Rousseau	B. M. E.	Sulphur Spgs.	629 W Dickson
Benson, Frederick Preston	B. S. C.	Camden	537 Leverett
Bettis, Austin Boyce	B. A.	Chapel Hill	Buchanan Hall
Bird, Earl Valentine	B. C. E.	Springdale	Geo. Peterhoagh
Flakemore, Thomas Lester	B. A.	Altus, Okla. T.	Buchanan Hall
Boles, Ashleigh Pannel	B. A.	Fayetteville	205 N. College
Boles, Flora Alice	B. A.	Ft. Smith	128 Dickson
Brack, Clifton Lee	B. A.	Little Rock	Gregg House
Braly, Mary Laura	B. A.	Fayetteville	340 Arkansas
Brizzolara, John	B. A.	Ft. Smith	Mrs. Crockett's
Brunson, Thomas Roswell	B. S. E.	Rock Creek	Buchanan Hall
Bryant, Roy Blake	B. E. E.	Nashville	Buchanan Hall
Cabe, Robert Lewis	B. A.	Burks	111 East
Childress, Norah	B. A.	Fayetteville	T. B. Childress'
Chunn, George Davies	B. S.	Holly Grove	Hill Hall
Cook, Ernest Fleet	B. A.	Texarkana	703 W. Dickson
Cook, Ira	B. M. E.	Fayetteville	H. H. Cook's
Cotnam, Charles	B. M. E.	Little Rock	409 W. Dickson
Cowling, Anson Day	B. A.	Cowlington, I. T.	W. Dickson
Davis, Okey Lee	B. C. E.	Marcella	Buchanan Hall
Deane, Ruth Elizabeth	L. I.	Fayetteville	R. F. D. No. 2
Dent, Carleton Gale	B. E. E.	Annieville	Buchanan Hall
Droke, Albert Hill	B. E. E.	Fayetteville	103 Hill
Elder, Thomas Duane	B. S.	Jonesboro	Buchanan Hall
Fry, Joseph Elmer	B. C. E.	Cedarville	Buchanan Hall
Gordon, Luther, Jr.	B. A.	Morrilton	703 W. Dickson
Grant, James Richard	B. A.	Dover	Buchanan Hall
Gray, Bertha Foustina	L. I.	Batesville	Dickson
Green, Bruce Clarence	B. C. E.	Pine Bluff	Gregg House
Gregg, Alfred Welch	B. A.	Fayetteville	308 Wash.
Hight, William Clarence	B. C. E.	Fayetteville	218 N. East
Hopson, Edwin Eastman	B. A.	Buford	Hill Hall
Hurt, Garland	B. S.	Newport	Hill Hall
Irby, Jamie Hapgood	B. A.	Newport	Mrs. Curry's
Jackson, Zeb Pettigrew	B. C. E.	Muskogee, I. T.	W. Center
Janes, Jesse Isaac	B. A.	Dover	Mrs. Brownfield's
Jeffries, Alfred Jefferson	B. A.	Clarendon	Mrs. Neely's
Johnson, David Augustus Eugene	B. A.	Paris	Hill Hall
Jones, George Fleming	B. A.	Frank	Buchanan Hall
Lamberton, Annie Louisa	B. A.	Harrison	J. C. Stanford's
Lantrip, Lynn Winston	B. C. E.	Fayetteville	217 Sutton
Leche, Mary Maude	L. I.	Donaldsonville	W. S. Johnson's
Lewis, Charlie Haw	B. A.	Atkins	Buchanan Hall
Locke, Jeremiah Matthew	B. C. E.	Muskogee	735 W. Dickson
Mauck, Ralph Waldo	B. A.	Bentonyville	J. R. Bates'
McAnally, Cora Leontine	L. I.	Elm Springs	J. C. Stanford's

Name.	Course.	Post Office.	Boarding Place.
McKnight, David Arthur	B. S.	Bee Branch	Hill Hall
McMillan, Fred Lee	B. E. E.	Pine Bluff	403 N. West
Meek, Roy Settle	B. S.	Russellville	Buchanan Hall
Mercer, Charles Franklin	B. C. E.	Dermott	Hill Hall
Miser, Hugh Dinsmore	B. A.	Rogers	Mrs. Buttram's
Miser, Wilson Lee	B. A.	Rogers	Mrs. Buttram's
Mitchell, John Lucien	B. S.	Fayetteville	J. C. Mitchell's
Moore, George Jacob	B. A.	Bentonville	J. R. Bates'
Morris, Grover Cleveland	B. A.	Lonoke	J. D. Jordan's
Myrick, Charles Early	B. A.	Poplar	703 W. Dickson
Norman, Olivia	L. I.	Fayetteville	A. T. Norman's
Portnell, James Roy	B. E. E.	Fayetteville	Willow St.
Pritchett, Frank Alexander	B. C. E.	Batesville	Hill Hall
Pritchett, Robert Hugh	B. E. E.	Batesville	Hill Hall
Read, Alicia Johnson	B. A.	Fayetteville	Dr J S Reed's
Rhea, William Harris	B. E. E.	Fayetteville	R. J. Rhea's
Rhodes, Charles Robert	B. E. E.	Osceola	735 W. Dickson
Russell, Arry Lee	B. C. E.	Texarkana	Buchanan Hall
Sanders, Lucy Edna	B. A.	Fayetteville	346 N. West
Shaver, Lee Bryant	B. C. E.	Oakland, La.	717 W. Dickson
Shepherd, Claude Harold	B. E. E.	Texarkana	Jos. Bates'
Sherrod, Willie Vernon	B. E. E.	Goshen	J. C. McCoy's
Smith, Elmer Clifton	B. C. E.	Sidney	Mrs. L. J. Ross'
Sowers, Gracie	B. A.	Monticello	J. J. Curry's
Stacy, Hal Gillette	B. C. E.	Vandalle	Mrs. Wilson's
Starbuck, Arward	B. A.	Foreman	Hill Hall
Thompson, Mack Franklin	B. E. E.	Fayetteville	355 N. West
Tucker, Justin Randolph	B. S. A.	Fayetteville	R. F. D.
Walls, Charles Albert	B. A.	Lonoke	17 Hill
Watson, Edmond Penn	B. C. E.	Bentonville	717 W. Dickson
Wear, Robert Lavater	B. S.	Poteau, I. T.	Mrs. Cowling's
Wiggins, Joseph Cleveland	B. C. E.	Cecil	Buchanan Hall
Williams, Clara Elizabeth	L. I.	Eureka Spgs.	Lafayette Av.
Williams, Oscar Eugene	B. A.	McKinney, Tex.	15 S. West
Winters, Elizabeth	B. A.	Ft. Smith	740 W. Maple
Woodruff, Clarence Herbert	B. A.	Rhea	138 Hill
Woodson, Edward Francis	B. C. E.	McCurtain, I. T.	17 Hill
			Total, 85.

Freshmen.

Adams, James William	Independence, Mo.	W. Center
Allen, Joseph Cleveland	B. A.	Hatfield Buchanan Hall
Audigier, Louie	L. I.	Little Rock 117 Hill
Bayley, Wilber Sidney	B. E. E.	Ft. Smith 820 Douglas
Becket, Clentis Murl	B. C. E.	Cowlington, I. T. 629 W. Dickson
Becket, Lovell	B. E. E.	Cowlington, I. T. 629 W. Dickson
Bell, Lexie Lou	B. A.	Benton 6 W. Dickson
Bennett, Robert Elmo James		Paris 334 College
Bickel, Norman E		Carroll E. F. Bickel's
Black, Curtis	B. A.	Corning Mrs. Baker's

Name.	Course.	Post Office.	Boarding Place.
Blair, Theron Cherry	B. A.	Van Buren	
Blakemore, Amy	L. I.	Prairie Grove	R. O. Ellis's
Boggs, William Hampton	B. A.	Winthrop	Hill Hall
Brown, Elizabeth Ellen	B. A.	Fayetteville	23 N. E. St.
Brown, Ethel	Sp.	Fayetteville	23 N. E. St.
Bryant, John Arthur		Fayetteville	413 N. Mountain
Buck, William Robert	B. A.	Fayetteville	N. College
Bullock, William Lafayette	B. A.	Ft. Smith	W. Dickson
Bumpass, Edward Kenneth	B. E. E.	Fayetteville	Sutton & Willow
Bunn, James Benjamin, Jr.	B. A.	Hamburg	Mrs. Curry's
Campbell, Gordon William	B. E. E.	Fayetteville	420 E. Lafayette
Campbell, Minerva Madge	B. A.	Fayetteville	420 E. Lafayette
Carter, Nama	B. A.	Durham	
Chandler, James Ewing	B. E. E.	Fayetteville	434 N. College
Chapman, George Arnold	B. E. E.	Fayetteville	104 East
Coker, John	B. C. E.	Lead Hill	Buchanan Hall
Conley, Jack	B. A.	Harrison	Hill Hall
Cook, Stuart Martin	Agr.	Fayetteville	W. of Univ.
Cox, Oxville Garland	B. C. E.	Paris	McCoy's
Crow, Blaine	B. S.	Rogers	G. F. Blanchard's
Crook, Clarence Benton	B. E. E.	Newport	Mrs. Mead's
Davis, Arthur Charles	B. M. E.	Fayetteville	420 Arkansas
Davis, Francis Hariet	B. A.	Chickasha, I. T.	Oriental Hotel
Davis, Lynah Hamilton	Sp.	Little Rock	W. H. Ramsey's
Davis, Wallace Carter	B. A.	Little Rock	Gregg House
Deaver, James Franklin	B. C. E.	Springdale	322 Ralston
Dewoody, Sorrells	B. Ch. E.	Pine Bluff	Gregg House
Diffey, Harry F.	B. E. E.	Ft. Smith	Hill Hall
Dodson, James William	B. A.	Paris	Hill Hall
Doke, Eugene Milton	B. A.	Bentonville	J. M. Bohart's
DuLaney, John Jefferson	B. A.	Ben Lomond	Hill Hall
Dyer, Claud Howard	B. C. E.	Fayetteville	N. W. Univ.
Eason, Herman Edward	B. E. E.	Fayetteville	Gregg, nr. Center
Eby, Ernest Cowley	B. E. E.	Eureka Springs	17 Hill
Edwards, Verna	B. A.	Texarkana	207 College
Elkins, Guy W.	B. S. A.	Magazine	Hill Hall
Ellis, Dora	Sp.	Fayetteville	230 W. Center
Ellis, Forest	B. A.	Fayetteville	104 N. College
Ellis, Oscar Ferguson	B. C. E.	Fayetteville	312 W. Lafayette
Farish, Myrtle Raymond	L. I.	Morrilton	J. L. Keener's
Fearing, Benjamin Franklin	B. A.	Camden	Mrs. Crockett's
Fergus, Carrie Sadie		Elm Springs	207 College
Ferguson, Thomas Moody	B. S.	Booneville	Cowles'
Floyd, Nina Berry	B. A.	Yellville	Crockins'
Ford, David Lane	B. A.	Cecil	Buchanan Hall
Freeman, Thomas Bennet	B. A.	Helena	Leverett
Gibson, Rupert Campbell	B. A.	Berryville	Hill Hall
Gibson, William Bertram	L. I.	Berryville	Hill Hall
Gough, Ivor	B. Mi. E.	McCurtin, I. T.	17 Hill
Graham, Simeon Burr	B. C. E.	Mena	J. E. Wilson's

Name.	Course.	Post Office.	Boarding Place.
Gray, Joseph Leslie	B. C. E.	Beaver	18 E. Dickson
Creathouse, Ollie May	B. A.	Johnson	Mrs. Barry's
Gregg, Annie Josephine	B. A.	Fayetteville	½ Mile N. U. A.
Hamilton, William Malcolm	B. A.	Falcon	640 Leverett
Hawkins, Frank Clayborne	B. A.	Rogers	Buchanan Hall
Henson, Malcolm Young	B. E. E.	Springdale	D. Keeney's
Hinkle, Shelby Earle	B. C. E.	Batesville	Hill Hall
Hixon, Herbert Guy	B. C. E.	Paris	Hill Hall
Holcomb, William Henry	B. C. E.	Springdale	346 Wall
Holmes, Edwin Percy	B. A.	Nathan	Buchanan Hall
Holtzclaw, Hanan A.	B. S. A.	Vineyard	15 N. Duncan
Huxtable, William Guirey	B. A.	Vincent	Hill Hall
Irby, Elizabeth	B. A.	Newport	Mrs. Curry's
James, Clifton Richard	B. A.	Tuckerman	Buchanan Hall
Johnson, James Robert	B. C. E.	Arkansas City	W. Douglas
Jordan, Flossie	B. A.	England	J. D. Jordan's
Jordan, James K.	B. C. E.	England	J. D. Jordan's
Keeney, Marie	B. A.	Fayetteville	Dr. Keeney's
Keith, Charles Alexander	B. A.	Amity	Buchanan Hall
Keith, Ernest Thomas	D. A.	Sharmon	Buchanan Hall
Keller, Irwin	B. C. E.	Hot Springs	Mrs. Neelly's
King, Berry	B. S.	Harrison	18 E. Dickson
Kitchens, George Thomas	B. S.	Waldo	Buchanan Hall
Kolb, William Burge	B. A.	Ola	Buchanan Hall
Koser, William Aubry	B. C. E.	Marion	Buchanan Hall
Lamberton, Horace Christopher	B. E. E.	Harrison	J. C. Stanford's
Leggitt, Frank Asbury	B. S. A.	Paragould	640 Leverett
Leister, Leroy Bismarck	B. A.	Ellsworth	2 University
Lemon, Bierwell Rembert	B. A.	Fayetteville	College
Leverett, Charles Deane	B. A.	Fayetteville	F. L. Leverett's
Lindsey, Elmer Marvin	B. C. E.	Fayetteville	
Little, Albert Homer	B. C. E.	Texarkana	Miss Effie Hart's
Little, Jesse Gray	B. A.	Lavaca	Buchanan Hall
Lueker, Charles Gottlieb	B. A.	Famous	Hill Hall
Manning, Gladys	B. A.	Clarendon	W. A. Ramsey's
Maples, Ree	L. I.	Berryville	Mrs. Brownfield's
McClean, William Howard	B. M. E.	Little Rock	213 Church
McCray, Rose	L. I.	Little Rock	J. J. Curry's
McCulloch, Hugh	B. A.	Little Rock	735 W. Dickson
McDermott, Angus	B. A.	Dermott	Hill Hall
McDonald, Jesse Connor Augusta	B. S.	Augusta	20 E. Dickson
McGraw, Grover Dewitt	B. M. E.	Paris	McCoy's
McLeod, Angus Armstrong	B. S.	Ft. Smith	Rhea's
McNeil, Ralph Alonzo	B. C. E.	Rector	Hill Hall
McSpadden, Theodore R.	B. A.	Chelsea, I. T.	Leverett
McWilliams, Jesse Herbert	B. S.	Eldorado	Gregg House
Mead, Alice Fay	B. A.	Fayetteville	523 Leverett
Miller, Myrtle	B. A.	Fayetteville	219 Block
Milner, Dufer Jackson	B. E. E.	Milner	Hill Hall
Mitchell, Ara Evelyn	B. A.	Fayetteville	303 Dickson

Name.	Course.	Post Office.	Boarding Place.
Moreland, Claude	B. C. E.	Jonesboro	Hill Hall
Morgan, Samuel Ross	B. S.	Eldorado	Buchanan Hall
Murphy, Wallace Carl	B. A.	Ft. Smith	Buchanan Hall
Nelson, John William	B. C. E.	Buford	Hill Hall
Nesbit, William Edward	B. A.	Fayetteville	420 N. College
Newman, Thomas M.	B. A.	Harrison	Hill Hall
Oates, Max Bruce	B. S. A.	Pottsville	N. W. Univ.
Olmstead, Cloyd Everet	B. S.	Heber	Buchanan Hall
Oliver, John Albert	B. A.	Clifty	
Palmer, John McCarty	B. S. A.	Mt. Pleasant, Ia.	Rhea's
Pearce, Tom R.	B. C. E.	Aurora, Mo.	Waterfield's
Pearson, Thomas Milton	B. A.	Rhea	Jesse Goddard's
Peck, Dora	B. A.	Fayetteville	T. A. Peck's
Pitchford, Joseph Irwin	B. A.	Tahlequah, I. T.	Mrs. Cowling's
Pruett, William Nathan	B. E. E.	Osceola	623 N. Whitham
Pulley, Cameron		Fayetteville	214 N. East
Rankin, John Gordon	B. A.	Morrilton	
Rankins, William Frank	B. A.	Russellville	Buchanan Hall
Redford, Edwin	B. E. E.	Woolstock, Ia.	264 W. Meadow
Reed, Kate Kathleen	B. A.	Springdale	Mr. Dunlap's
Reed, Maggie	B. A.	Johnson	803 W. Dickson
Regan, J. Elmer	B. C. E.	Prescott	Gilbert House
Reves, Charles Sumner	B. E. E.	Alma	Buchanan Hall
Reves, George William	B. M. E.	Alma	Buchanan Hall
Rice, Walter B.	B. E. E.	Brightwater	717 W. Dickson
Ross, Sam	B. M. E.	Fayetteville	Mrs. L. J. Ross'
Ross, William Browning	B. E. E.	Okalona	Buchanan Hall
Scott, Herbert Carl	B. A.	Waveland	430 Vandeventer
Seidel, Isidor	B. S.	Eureka Springs	.7 Hill
Semmes, Joe Murray	B. C. E.	Osceola	Hill Hall
Smith, Howell Rush	B. A.	Malvern	Buchanan Hall
Stafford, Guy Claypool	B. C. E.	Springdale	753 W. Dickson
Stansberry, George P.	B. C. E.	Little Rock	Buchanan Hall
Strong, John Chalmers	B. A.	Brinkley	Barry's
Sullivan, Hershall Edwin		Bellefonte	15 S. West
Sullivan, Luther Henderson	B. C. E.	Pine Bluff	17 Hill
Sutton, Beulah	B. A.	Fayetteville	121 W. Dickson
Sutton, Edith	B. A.	Fayetteville	121 W. Dickson
Sutton, John Haywood	B. S.	Holly Grove	537 Leverett
Thompson, Ross Emile	B. E. E.	Heber	Hill Hall
Trent, Bess	B. A.	Fayetteville	218 Church
Trimble, Fannie Ewing	B. A.	Lonoke	Mrs. Adams's
Walker, Mabel Margaret	B. A.	Buntyn, Tenn.	121 W. Dickson
Watterfield, Elgin Arnold	B. A.	Holdenville, I. T.	322 Ralston
Webb, Joseph Watson	B. A.	Martinville	Leverett House
West, Douglas Edison	B. A.	Dardanelle	Anderson House
Westbrook, Howell Lane	B. E. E.	Pine Bluff	Gregg House
White, Felix Slown	B. E. E.	Fayetteville	523 Willow
White, Pearl	B. A.	Fayetteville	523 Willow
Whittmore, Willie Leora	B. A.	Fayetteville	416 Washington

Name.	Course.	Post Office.	Boarding Place.
Williams, Roy Welch	Sp.	Fayetteville	310 Washington
Williamson, Truman Dale	B. A.	Springdale	Dr. Keeney's
Willis, Frank Evers	B. A.	Eureka Springs	Jordan's
Winfrey, Lewis Edgar	B. A.	Rudy	Ellison's
Witt, Earl	B. A.	Mt. Ida	Mrs. Ross'
Wood, Arthur Cleveland	B. C. E.	Ft. Smith	Buchanan Hall
Woods, John Powell	B. A.	Yellville	Buchanan Hall
Wooton, Leonard Luther	B. E. E.	Mena	Buchanan Hall
Young, Nancy Ovid	B. A.	Booneville	207 N. College
			Total, 169.

Special.

Alston, Edley Roy	Chapel Hill	Buchanan Hall
Arnold, Jessie Garfield	Marshall	15 S. West
Barry, Lucile Leila	Fayetteville	Howard Gay's
Bates, Beulah Florence	Cane Hill	617 W. Dickson
Baum, Elias Julius	Fayetteville	337 N College
Bohart, Allen Thurman	Fayetteville	Mt. Nord
Burrow, Claud M.	Little Rock	213 Church
Carpenter, Sam	Arkadelphia	213 Church
Carter, N. Delford	Durham	Whitham
Cazort, Tom Jay	Lamar	N. Gregg
Clark, Pearl	Goshen	Joseph Frost's
Combs, Bertha	Cotter	Mrs. Brownfield's
Cook, Flippin Martin	Texarkana	703 W. Dickson
Counts, John	Little Rock	
Cross, Cage	Pine Bluff	Gregg House
Dunn, Ralph Knox	Fayetteville	B. J. Dunn's
Feldt, Louise Freda	Fayetteville	B. R. Davidson's
Ferguson, Ezra Franklin	Booneville	Cowles'
Gardner, Daniel Mough	Ft. Smith	20 E. Dickson
Grundy, Edmund James	Mammoth Spgs	W. T. Grundy's
Harper, Frank Marion	Eldorado	Buchanan Hall
Harvey, Homer Alvan	Elk City, Kan.	640 Leverett
Highsaw, James Leonard	Clear Lake, Tex.	Baswell House
Huggins, James Edgar	Ozark	Buchanan Hall
Hutton, Marion Cleveland	Little Rock	Buchanan Hall
Ingram, Clyde Wilmar	Springdale	F. O. Gulley's
Jett, William Augustus, Jr.	Little Rock	409 W Dickson
Jordan, Edna Garlington	Lonoke	J. D. Jordan's
Kantz, Willie Dean	Fayetteville	Kantz's
Kimball, Fletcher	Little Rock	104 East
Leverett, Blanche	Fayetteville	F. L. Leverett's
Lewis, Marie		623 W. Dickson
Maxwell, James Albert	Texarkana	Hill Hall
McCartney, Jessie Love	Fayetteville	340 N. Col.
McGill, John Thomas	Bentonville	S. C. Roberts'
McGowan, Wirt Edward	West Point	Mrs. Morris'
Mitchell, Sibyl Andrey	Fayetteville	J. C. Mitchell's
Mitchell, Solon Biffle	Greenway	Buchanan Hall

Name.	Post Office.	Boarding Place.
Mock, Tom Patton	Fayetteville	636 W Maple
Moore, Jessie Warren	Arkadelphia	Washington Hotel
Morgan, William Sidney	Chickalah	Mrs. Cowles'
Nance, Denver	Hindsville	Buchanan Hall
Palmer, Louis L.	Mt. Pleasant, Ia.	Rhea's
Pearce, Maud Dunlap	Winslow	
Pearson, Herbert Sylvester	Rhea	C. A. Pearson's
Porter, William Henry	Trenton	15 Duncan
Ragan, Heartsill	Clarksville	Jos. Wilson's
Ragland, Fannie	Fayetteville	215 E Dickson
Revel, John William	Augusta	Barr's
Rice, Hugh Miller	Brightwater	717 W. Dickson
Smith, Jessie	Fayetteville	200 W Dickson
Stanley, Thomas Edward	Augusta	Mrs. Neelly's
Stevens, Otis	Forrest City	629 W. Dickson
Stover, Luther Martin	Casa	Buchanan Hall
Tharp, Mattie Irene	Fayetteville	15 N. West
Thompson, William Elmo	Warren	314 W. Center
Tillman, Fred Allen	Fayetteville	420 N. College
Tillman, John Walker	Fayetteville	420 N. College
Torrans, Paul Wood	Texarkana	703 W. Dickson
Wells, Eustace Earl	Monticello	Buchanan Hall
Williams, Linus Alvin	Arcadia, Fla.	317 Mountain
Wolf, Otha	Paris	Arkansas Bldg.
		Total, 62.

SHORT COURSE IN ELECTRICAL ENGINEERING.

First Year Class.

Acuft, Samuel Otis	Booneville	Buchanan Hall
Acuft, Walter	Booneville	Buchanan Hall
Alexander, Guilford L.	Rogers	Buchanan Hall
Baker, Frank	Fayetteville	503 Wash
Bernard, Harry	Russellville	Buchanan Hall
Bowen, Arthur Wilkes	Osceola	Hill Hall
Bowers, Ezra James	Paris	Buchanan Hall
Bryson, Joe	Centerville	213 N Block
Crosser, John Lynn	Newark	
Daniels, Julius	Dermott	Hill Hall
Dickson, Jewel	Rogers	York
Edwards, Ralph Merle	Mena	537 Leverett
Ellington, Thomas Eliza Berry	Booneville	Buchanan Hall
Ellis, J. Kenneth	Eureka Springs	18 E. Dickson
Elliston, B. E.	Hot Springs	York
Graham, Hosmer Carey	Ft. Smith	H. H. Cook's
Krisle, Shelton	Dermott	Hill Hall
Leinen, Matthew J.	Garland	640 Leverett
Lindley, Charles Matlock	So. McAllister, I. T.	Gilbert H.
Lindley, John Mousley	So. McAllister, I. T.	Cooper H.
McArthur, Fred Ross	Russellville	230 W. Center

Name.	Post Office.	Boarding Place.
McDermott, Stinson	Dermott	Hill Hall
Meek, William Lee	Russellville	Buchanan Hall
Norman, Felix Augustus	Fayetteville	502 Wash.
Peer, Clyde Adelbert	Mansfield	Buchanan Hall
Pratt, Gladstone Camden	Fayetteville	C. L. Pratt's
Reynolds, William Thadeus	Ft. Smith	213 Church
Rodgers, Horace Edwin	Fayetteville	G. J. Rodgers'
Stewart, Clarence Frank	St. Louis, Mo.	Mrs. Gregg's
Wallace, Carma Evins	Nashville	
Webster, William Vashni	Siloan Spgs.	Buchanan Hall
Wells, Douglas E.	Dermott	Hill Hall
Williams, James Herman	Hot Springs	537 Leverett

Second Year Class.

Cotham, Fay Edward	Monticello	Buchanan Hall
Hicks, Olin Evins	Lonoke	Cowling's
McCloud, Benjamin Joel	Winslow	C. M. Oliver's
McCloud, William Daniel	Winslow	Oriental Hotel
Wilson, Frank	Fayetteville	R. J. Wilson's

SHORT COURSE IN MECHANICAL ENGINEERING.

Berryman, Edgar Azzie	Sulphur Spgs.	173 Hill
Bland, Benjamin Franklin	Nashville	A. J. Ballard's
Burton, Morton	Judsonia	Dan Scott's
Chism, Alva Titsworth	Paris	Mrs. Harley's
Deane, Herman Wakeman	Camden	537 Leverett
Finley, Walter	Lincoln	H. H. Cook's
Flowers, Allen Overton	Dermott	Hill Hall
Juneau, Charles	Hot Springs	537 Leverett
Larrabee, Roy Ashley	Fayetteville	Van Buren
McCoy, Carlos	Fayetteville	Leverett
Mitchell, George Washington	Greenway	Hill Hall
Moore, Carl S.	Danville	Moses Tharp's
Neely, William Leslie	Cotton Plant	Mrs. Adams'
Ross, Frank	Fayetteville	Mrs. J. H. Ross'
Simpson, Lamar L.	Camden	
Yoes, Bert	Van Buren	Buchanan Hall
		Total, 52.

THE CONSERVATORY OF MUSIC AND ARTS.

NOTE.—The following list contains the names of those students only whose major subject is taught in the Conservatory of Music and Arts. The total number of students enrolled in the classes of the Conservatory in 1905-1906 was 300, distributed as follows: vocal, 16; art, 12; instrumental, 72; elocution and physical culture, 200.

Name.	Post Office.	Boarding Place.
Anderson, Mary Heiskell	Fayetteville	E. of Univ.
Belknap, Beatrice Victoria	Sulphur Springs	173 Hill
Blackman, Lula	Fayetteville	Leverett
Bryan, Zella	Fayetteville	211 East
Cheney, Mary Louise	Bentonville	19 E. Meadow
Davis, Barbara Claire	Fayetteville	R. F. D. No. 2
Droke, Mary Inez	Fayetteville	103 Hill
Galloway, Margaret Bell	Fayetteville	620 W. Maple
Gardner, Nell Corinne	LaCrosse	R. O. Ellis'
Haskell, Lucie	Muskogee, I. T.	Haskell's
Hicks, M. Hilda	Eureka Spgs.	Mrs. Triplett's
Hight, Stella	Fayetteville	218 N. East
Hooper, Lilian Gertrude	Fayetteville	J. M. Hooper's
Hudson, Edna Garlington	England	J. D. Jordan's
Jones, Maud	Fayetteville	N. N. Jones'
Keeny, Augusta Rothwell	Fayetteville	753 W. Dickson
Lackey, Minnie	Fayetteville	202 Spring
McCormick, Minnie Myrtle	Prairie Grove	J. J. Curry's
Mock, Lucy Byrd, M. A.	Prairie Grove	636 W. Maple
Neelly, Lila Irma	Fayetteville	213 N. Sarah
Pycatt, Bess	Viney Grove	138 Hill
Pycatt, Teen	Viney Grove	138 Hill
Thurston, Monte	Rector	W. A. Ramsey's
Van Valkenburgh, Carrie Emma	Warren	20 W. Dickson
Walker, Anna	Lowell	J. N. Tillman's
Wheelis, Ola	Strong	753 W. Dickson
		Total, 26.

THE PREPARATORY SCHOOL.

Abbreviations.—A., Arts course, leading to the B. A. course; S., Science course, leading to the B. S. course; E., Engineering course, leading to the Mechanical, Civil, and Electrical Engineering courses; T., Teacher's course; Sp., Special course; C., leading to the course in the Conservatory of Music and Arts; Agr., leading to the course in Agriculture.

Second Year Class.

Name.	Course.	Post Office.	Boarding Place.
Abbott, Thomas Oscar	A.	Farrell	Eagle
Allen, Chester Barton	E.	Paris	Buchanan Hall
Allen, Estis	A.	England	17 Hill
Allen, Ethel	S.	Farmington	Mrs. L. J. Curry's
Allen, Francis Virginia	S.	Altus, Okla.	Mrs. O. Ellis'
Alley, William Claud	A.	Mountain Home	Hill Hall
Baker, Hugh Dinsmore	E.	Fayetteville	637 Leverett
Ballard, Lydia Jane	A.	Fayetteville	Ballard's
Barnes, Ada A.	A.	Vandervort	W. Dickson
Bell, Mabel Claire	C.	Fayetteville	132 E Spring
Bills, Forest Alvin	E.	Sulphur Spgs.	Buchanan Hall
Black, Katie Elizabeth	S.	Fayetteville	740 Frisco
Black, Luney	A.	Waldron	
Black, Robert Lee	A.	Fayetteville	752 Wall
Blackford, Oscar Cleveland	A.	Walnut Ridge	Hill Hall
Blackwood, Walter J.	T.	Walcott	Mrs. Hardin's
Blair, James Hardy	E.	Decatur	Buchanan Hall
Boles, Chalmers Barnette	S.	Monticello	205 N. College
Booth, Dunlap	E.	Spiro, I. T.	629 Dickson
Brace, Lillie E.	A.	Rogers	
Brown, Charles C.	E.	Gentry	Austin's
Brown, Robert Vernon	E.	Fayetteville	213 N. East
Brownson, Sarah Elizabeth	S.	Fayetteville	Cemetery
Brunson, Ida Lula	A.	Rock Creek	4 E. Lafayette
Bryan, George Alford	E.	Bentonville	McCoy's
Bryan, Walter Joe	E.	Bentonville	McCoy's
Campbell, Cleve Lloyd	E.	Newport	Hill Hall
Campbell, Sylvester, John	A.	Fayetteville	420 Lafayette
Cannon, Ida	T.	Goshen	113 Lafayette
Cannon, Jesse	E.	Goshen	113 Lafayette
Cash, Cecil Chadwick	A.	Texarkana	Hill Hall
Chamberlain, Roy	S.	Malvern	W. Center
Chapman, Mabel Edna	C.	Fayetteville	205 N. Church
Cheney, Pauline	C.	Bentonville	19 E. Meadow
Childress, Mary Virginia	A.	Batesville	410 College
Coffman, Asa Benjamin	A.	Russell	112 Hill
Comstock, Kennie Marcus	S.	Uniontown	Buchanan Hall

Name.	Course.	Post Office.	Boarding Place.
Conner, Bolivar William	S.	Augusta	213 Church
Connor, Verda Louise	C.	Fayetteville	Wash.
Cook, James Frank	S.	Fayetteville	J. M. Cook's
Cook, Lela	Sp.	Fayetteville	1 Mile W. U.
Cowling, Ora Mittie	C.	Cowlington, I. T.	W. Dickson
Craig, Mary Ann	T.	Lim Springs	924 W. Maple
Crawford, James Breckenridge	A.	Benton	1004 W. Center
Crawford, Henry Vance	A.	Little Rock	Buchanan Hall
Crenshaw, Clayton Lee	E.	Hartford	727 Douglas
Croom, John Andrew	S.	Dardenelle	Mrs. Raines
Crownover, John Hayden	A.	Dardenelle	18 E. Dickson
Culwell, James William	E.	Goshen	Near N. School
Dancer, William Johnson	A.	Elk City, Kan	803 W. Dickson
Davis, Mabel Alice	C.	Fayetteville	420 N. Ark.
Davis, Mabel Eloise	A.	Fayetteville	1004 W. Center
Davis, Olga	T.	El Paso	2 Duncan
Davis, Opal	T.	El Paso	2 Duncan
Davis, Raymond L.	A.	El Paso	2 Duncan
Deane, Charles Vaulx	E.	Fayetteville	1 1/2 miles N. W. U.
Deane, Madeleine Anderson	A.	Fayetteville	Y. F. Deane's
DeGinther, Fred	S.	Trenton	Y. F. Deane's
DeLongy, Howard Clifford	E.	Mena	537 Leverett
Dent, Strother Major	E.	Riverside	200 W. Dickson
Derryberry, Thomas Newton	A.	Winthrop	Hill
DeWitt, Charles Holman	S.	Fayetteville	Sutton
DeWitt, Francis Mosoer	A.	Fayetteville	Sutton
Dodson, Harold Chandler	A.	Harrison	J. M. Chandler's
Dorough, William Thomas	A.	Little Rock	D. B. Baker's
Dotson, Katie Ella	T.	Fayetteville	S. E. part of City
Dowell, Grace	A.	Fayetteville	2 1/2 M. W. of City
Dowell, Robbie	A.	Fayetteville	2 1/2 M. W. of City
Doxey, William Pennington	E.	Berryville	Hill Hall
Dyer, Rebecca	A.	Fayetteville	West of U.
Eld, Lucy Lillian	T.	Bentonville	C. M. Tidball's
Ellison, William Lee	Sp.	Fayetteville	Country
Evatt, Hassie Clarkson	T.	Waldron	Mrs. J. J. Curry's
Farrell, Charles Morris	A.	Little Rock	409 W. Dickson
Fenton, James Andrew	A.	Chapel Hill	Buchanan Hall
Fleming, Bert Ray	E.	Hot Springs	Buchanan Hall
Ford, Reth	S.	Washburn	Arkansas Bldg.
Fowler, Charles A.	A.	Supply	79 Leverett
Fulton, Jessie Pearl	A.	Hot Springs	Cooper House
Gardner, Powell Beal	A.	LaCrosse	Buchanan Hall
Garner, William Emmett	T.	Howe	Hill Hall
George, Finis	T.	Olpha	
Gilbreath, Lucie May	C.	Fayetteville	203 N. East
Gill, James Hengus	Sp.	Warren	
Gilliland, Homer Franklin	A.	Fort Gibson, I. T.	J. T. Ernest's
Goodner, Clyde E.	A.	Oden	
Goodwin, William Jarvis	S.	ElDorado	Buchanan Hall

Name.	Course.	Post Office.	Boarding Place.
Gray, Clara Ella	A.	Batesville	Dickson & Duncan
Grubbs, William Wiley	A.	Moody	Buchanan Hall
Grundy, Archibald Marshall	A.	Fayetteville	Douglas
Guinn, Zula Marguerite	C.	Huntsville	F. Barr, Jr.'s
Hale, Marvin	A.	Hackett	112 Hill
Hall, Julien	A.	Fayetteville	212 East
Hallman, Kelly Edgar	A.	Ben Lomond	Buchanan Hall
Hardy, Andrew	A.	Ardmore, I. T.	
Harris, Ida Flora	T.	Bryant	746 Douglas
Harrison, John C.	E.	Pine Bluff	1004 W. Center
Haskell, James Miller	E.	Fayetteville	Haskell's
Hausotte, Ernest Fredreich	E.	Sulphur Springs	Hill Hall
Hodges, James W.	A.	Quitman	J. H. Reynolds'
Hon, Lucy	A.	Waldron	746 Douglas
Honey, Albert Monroe	T.	Finch	Mrs. J. M. Hardin's
Horne, Jack Francis	E.	Hot Springs	Buchanan Hall
Horton, Edward Oscar	A.	Elm Springs	112 Hill
Huffman, Annie Virginia	C.	Bentonville	P. W. Melton's
Hughey, Albert Bryson	A.	La Grange	629 W. Dickson
Hughes, Harry L.	S.	Fayetteville	531 N. College
Hughes, Jack Lewis	A.	Waldron	Leverett
Hughes, John Jackson, Jr.	Sp.	Haynes	Hill Hall
Hughes, Thomas Lafayette	T.	Mt. Pisgah	Rock & Locust
Hughes, Verda	C.	Fayetteville	Mrs. J. R. Hughes'
Hughes, William Herschel	A.	Whitener	Mrs. Portnell's
Humphries, Hugh Harrison	A.	Fayetteville	N. College
Huntley, Philip	E.	Kirkland	Buchanan Hall
Hurley, Thomas Drew	S.	Pawhuska, Okla.	McCoy's
James, Elsie Adalaide	T.	Fayetteville	Mrs. Holcomb's
James, Rex Esmerald	E.	Fayetteville	S. O. James'
Jarrell, Foster	A.	Junction	Buchanan Hall
Johnson, Clyde	A.	Fayetteville	521 N. College
Johnson, James Madison	S.	Atlants	Cowling's
Johnston, Wilmar Samuel	E.	Mena	740 W. Maple
Johnston, Silvy Jay	S.	Auvergne	Hill Hall
Kavanaugh, William Marmaduke	E.	Little Rock	409 Dickson
Kelley, Eugene Blaunt	E.	Mena	603 N. Leverett
Kemp, James Wallace	A.	Hot Springs	Buchanan Hall
Kindley, Lena	A.	Gravette	Frisco
Kitchens, Herschel Monroe	A.	Waldo	Buchanan Hall
Kunz, Clifford Harrison	E.	Fayetteville	G. A. Kunz's
Kunz, Gladys Iraminta	A.	Fayetteville	G. A. Kunz's
Lane, Alba Brinton	A.	Bone	148 Hill
Lee, Shelly Hewen	A	DeQueen	Buchanan Hall
Leeper, Frederick Jackson	A.	Lockesburg	Buchanan Hall
Lueker, Traugott Friedrich	A.	Dover	Hill Hall
Louis, Clifford Adair	A.	Fayetteville	409 Dickson
Maguire, Audie	S.	Fayetteville	G. H. Maguire's
Maguire, Nellie Josephine	A.	Fayetteville	G. H. Maguire's
Martin, George Fred	A.	Little Rock	409 Dickson

Name.	Course.	Post Office.	Boarding Place.
Martin, Herbert Bradley	A.	Warren	W. Center
Martin, Lancelot Reynolds	A.	Fayetteville	311 N. East
Mastin, Eleanor Dugdale	C.	Fayetteville	N. W. of U. of A.
Mathis, Hugh Franklin	A.	Granniss	Buchanan Hall
Maxwell, Thomas Joshua	T.	Gentry	Cowling's
McCartney, Marie	A.	Fayetteville	W. S. McCartney's
McCartney, Mary Isabel	A.	Fayetteville	A. McCartney's
McCarty, Ralph L.	E.	Fayetteville	17 N. Block
McCord, Walter	A.	Waldron	Hughes'
McGregor, Josie Ernestine	A.	Lead Hill	Dan Bohart's
McMillan, Eula	Sp.	Pine Bluff	403 N. West
Metcalf, Dayton P.	E.	Elk City, Kansas	W. Dickson
Millee, Maud	T.	Jenny Lind	415 Wash.
Mitchell, Allie May	S.	Fayetteville	Mrs. M. E. Mitchell
Mock, Genevieve	C.	Fayetteville	J. E. Mock's
Monk, Carl	E.	Pine Bluff	W. Dickson
Moon, Van Tyson	E.	Kirkland	Buchanan Hall
Moore, Nita	A.	Fayetteville	735 W. Dickson
Morgan, William Graves	E.	Magnolia	Buchanan Hall
Morton, Lena	C.	Fayetteville	W. H. Morton's
Morton, Julia	A.	Fayetteville	W. H. Morton's
Munn, William Henry	A.	Bodcaw, Nev.	640 Leverett
Mustain, Asa Boydston	T.	Elm Springs	15 S. West
Nall, Lee	E.	Sheridan	Buchanan Hall
Nesbit, Zoie Pauline	C.	Fayetteville	420 N. College
Nordlinger, Algernon Sidney	S.	Brinkley	227 N. Maple
Norvell, Grover	S.	Hagarville	
Nutt, William Granville	A.	Lorado	Mrs. Hardin's
Oakley, Floy Anne	A.	Rogers	Mrs. J. F. Mayes'
Oliver, Leila Ruth	A.	Fayetteville	C. M. Oliver's
Oliver, Nora Catherine	T.	Clifty	Mrs. Nolen's
Overholt, Anna Helen	T.	Fayetteville	1 Mile S. of City
Patton, Aaron Pinckney	A.	Archey	J. C. Anderson's
Phillips, Mack Rodgers	A.	Gravette	Dr. J. S. Reed's
Plemmons, Lee	S.	Oden	W. N. Gladson's
Portis, Beulah Lucia	S.	Fayetteville	173 S. Hill
Pye, Walter David	A.	Sweet Home	637 Leverett
Rader, Hattie	C.	Fayetteville	732 Douglas
Rairdon, Elzie L.	A.	Gentry	Mr. Palmer's
Ray, James Andrew	A.	Sulphur City	S. Washington
Reed, John Alvis, Jr.	A.	Fayetteville	304 N. College
Renick, Roy	E.	Fayetteville	W. W. Renick's
Rhea, Powell McLellan	E.	Fayetteville	R. J. Rhea's
Roberson, Clara	C.	Monett, Mo.	620 Ida
Robinson, Robert Newmuan	S.	Cowlington, I. T.	Mrs. Beckett's
Rorie, George Chiller	A.	Retreat	173 S. Hill
Rotan, Claudine	T.	Lake Village	Mrs. Boyd's
Rye, Sam Houston	A.	Silex	1004 W. Center
Sanders, Lucy	C.	Fayetteville	446 N. West
Sedwick, Bessie North	A.	Fayetteville	342 St. Clair

Name.	Course.	Post Office.	Boarding Place.
Shannon, Charles Grady	A.	Fayetteville	N. College
Shannon, Mary Etoile	Sp.	Fayetteville	N. College
Shannon, Sam A.	A.	Henrietta, I. T.	16 Duncan
Shelton, Walter Clyde	Sp.	Grays	Buchanan Hall
Shipley, Robert Earl	E.	Huntington	Hill Hall
Shook, Charles Harrison	E.	Fayetteville	119 Hill
Simmons, Claudine	A.	Fayetteville	Washington
Sims, Harry	S.	Stigler, I. T.	W. Dickson
Sloan, Paul	A.	Imboden	Smith's
Slocum, Allen Leslie	E.	Elk City, Kan.	Buchanan Hall
Smead, Lamar Bunn	A.	Camden	Gregg House
Smith, Henry Thomas	A.	Fayetteville	14 Duncan
Smith, Ida Walker	A.	Fayetteville	16 Duncan
Snell, Merrill Forester	E.	Gaither	Buchanan Hall
Sparkman, Ruth Ellen	C.	Sterling City, Tex.	230 W. Center
Spaulding, Grace Butler	C.	Muskogee, I. T.	614 W. Dickson
Spaulding, Homer Owen	A.	Muskogee, I. T.	614 W. Dickson
Stephens, Harry Dowell	A.	Newport	23 College
Stone, Ernest Earl	S.	Nocona, Texas	
Strait, Claud	T.	Alpha	Goddard's
Stubblefield, Etalle	A.	Cassville, Mo.	Nettleship's
Taylor, Joe	A.	Augusta	Mrs. Neelly's
Terry, Francis Allen	S.	Little Rock	20 E. Dickson
Thomas, John Archibald	T.	Magnolia	Buchanan Hall
Thompson, Otis Eugene	S.	Fayetteville	Washington
Tidball, Sue	A.	Fayetteville	Dickson
Tucker, Moseley Clarence	S.	Magazine	O. H. Tucker's
Turner, Delia	A.	Fouke	J. W. Rief's
Turner, Sterling Aubry	A.	Hardy	640 Leverett
Vaughan, James Henry	T.	Emerson	Buchanan Hall
Wadley, James Lintern	A.	Hot Springs	218 College
Wadley, Robert Brown	S.	Hot Springs	218 College
Wassell, Lynn	A.	Little Rock	Hill Hall
Watkins, Charles Troy	S.	Harrison	J. O. George's
West, Sam Earl	E.	Lavaca	Hill Hall
Whyte, Horace	E.	Pine Bluff	727 Douglas
Wheeler, Samuel Burke	T.	Lincoln	15 N. Duncan
Wier, Howard B.	E.	Ft. Smith	820 Douglas
Wiggins, Presley Hicks	E.	Pinckney	
Wiggins, Thomas Claud	S.	Purdy	Mrs. Portnell's
Williams, Addie Louise	A.	Fayetteville	310 Washington
Williams, Carrie Marie	C.	Fayetteville	A. W. Williams'
Williams, Hosea Lafayette	Sp.	Fayetteville	Washington
Williams, James Phileman	A.	Fayetteville	348 Washington
Williams, John Rogers	A.	Gurdon	Buchanan Hall
Williams, Morris Clifton	E.	Fayetteville	J. D. Williams'
Williams, Walter Quincy	E.	Brentwood	A. W. Williams'
Willis, John Edmund	S.	Little Rock	Hill Hall
Wilson, Charles Newton	E.	Cabot	Buchanan Hall
Wilson, William Albert	A.	Hampton	Mrs. Ross'

Name.	Course.	Post Office.	Boarding Place.
Wilson, Nellie Dickson	A.	Fayetteville	603 Leverett
Winters, Curtis Richardson	A.	Ft. Smith	Mrs. Brownfield's
Wood, Ruth	A.	Fayetteville	Dr. H. D. Wood's
Woodruff, Ethel Sophia	C.	Rhea	Hill
Woodriddle, Harry Tucker	A.	Pine Bluff	Gregg House
Yates, William N.	E.	Fayetteville	Dr. W. N. Yates'
			Total, 243

First Year Class.

Adkinson, Willis B.	A.	Mena	603 N
Aiken, Edward Martillia	A.	Dardanelle	Buchanan Hall
Allison, Sam	S.	Fayetteville	E. M. Allison's
Andrix, Annie Maurine	S.	Fayetteville	G. A. Andrix's
Armstrong, Fred	E.	Fayetteville	Prairie
Aston, James Edward	A.	Harrisburg	112 Hill
Attibury, Ollie	T.	Keota, I. T.	402 N. College
Babb, Walter Preston	A.	Waldo	Buchanan Hall
Barry, William Taylor	A.	Fayetteville	N. College
Bashe, Bertha	A.	Monett, Mo.	129 W. Lafayette
Basset, James Washington	A.	Elkins	Collins'
Baum, Leah Cecil	C.	Fayetteville	337 N. College
Beauchamp, Earl R.	E.	Fayetteville	211 Dickson
Bell, Carl K.	S.	Fayetteville	C. H. Bell's
Bell, Robert Fielding	E.	Fayetteville	132 E. Spring
Bentley, Fern	A.	Vale	Ralston
Bernard, Lynette	A.	Ft. Smith	
Biggs, Fred I.	S.	Monticello	Buchanan Hall
Blackwell, Robert Charles	A.	Barfield	
Bolling, Falls N.	S.	Monticello	Buchanan Hall
Bond, Sidney Charles	E.	McCurtain, I. T.	17 Hill
Bost, James Vernon	E.	Fayetteville	106 Leverett
Bradford, Clarence Grey	T.	Pine Bluff	J. M. Ballard's
Breen, Augustine Mary	A.	Ft. Smith	J. Bates'
Brooks, Guy Lafayette	A.	Broken Arrow, I. T.	T. C. Skaggs'
Brotherton, William Robert	A.	Charleston	Mrs. Ross'
Broyles, Earl	E.	Farmington	D. Broyles'
Broyles, LeRoy	E.	Fayetteville	726 W. Center
Bruce, Maude L.	T.	Durham	2 University
Buckalew, Ira Lee	T.	Slocumb	
Burgin, William Dickson	E.	Fayetteville	22 Meadow
Buttram, Phoebe	A.	Fayetteville	City Park
Cannon, Margaret	C.	Fayetteville	22 N. East
Carl, Albert Henderson	A.	Siloam Springs	Austin's
Carr, Susye	T.	Prairie Grove	A. C. Bean's
Carter, Bessie	C.	Fayetteville	N. of Univ.
Carter, Witte	E.	Durham	
Chapman, Sue Elizabeth	C.	Fayetteville	104 East
Charlesworth, Claud	E.	Fayetteville	Willow
Chester, Carroll Wood	E.	Fayetteville	N. W. Univ.
Church, Felix	E.	Sulphur Spgs.	727 Douglas
Clark, Grace Adaline	A.	Goshen	J. Frost's

Name.	Course.	Post Office.	Boarding Place.
Clark, Ruby Ellena	S.	Goshen	J. B. Shannon's
Clayton, Jasper Marshall	A.	Hardy	Mr. Crouch's
Cocke, Nannie Brashear	S.	Marianna	Mrs. Brownfield's
Coleman, Edward B.	S.	Kensett	
Collins, Archie	E.	Durham	Mrs. Boles'
Collins, Inez Elizabeth	A.	Winslow	J. H. Reynolds'
Collins, James E.	E.	Hazen	136 Hill
Cook, Eli Thomas	Agr.	Fayetteville	J. M. Cook's
Cook, Leila Maude	C.	Fayetteville	J. M. Cook's
Cook, Sterling Dempsey	A.	Allene	Buchanan Hall
Cox, Mary James Turner	A	Fayetteville	7½ Block
Cox, Nellie Morris	A.	Fayetteville	7½ Block
Craig, Irene Amelia	T.	Van Buren	138 Hill
Dale, Harrison Penn	E.	Augusta	Mrs. Neelly's
Davidson, Albert	A.	Muskogee, I. T.	
Davidson, Oma	T.	Fayetteville	J. S. Davidson's
Davis, Henry Albert	A.	Marcella	Buchanan Hall
Davis, Talton	A.	Fayetteville	1004 W. Center
Day, Harold	E.	Fayetteville	Howard Gay's
Denham, Charles Henry	E.	Fayetteville	105 College
Dennis, Ralph	A.	Dardanelle	Mrs. Becket's
Dickinson, Clermont	A.	Horatio	Buchanan Hall
Dickson, Ernest	A.	Rogers	Buchanan Hall
Duncan, William Wirt	E.	Westville, I. T.	J. D. Portis'
Earnest, Ray L.	E.	Fayetteville	627 Leverett
Edwards, John Richard	A.	Evening Shade	Greenhouse
Eilbott, Reginald	E.	Pine Bluff	112 Hill
Elder, Vaiden Dorris	T.	Culleoka, Tex.	Hill Hall
Ellis, Earl	E.	Fayetteville	Dr. Ellis's
Ellison, Clara	A.	Fayetteville	N. W. of Univ.
Erwin, Jane	A.	Ada, I. T.	644 W. Maple
Erwin, Mary Hall	A.	Ada, I. T.	644 W. Maple
Evins, Mary J.	A.	Fayetteville	N. of Univ.
Evins, Thaddeus White	E.	Fayetteville	N. of Univ.
Fawcett, Doris Polo	A.	Ben Lomond	Buchanan Hall
Fogleman, John Franklin	A.	Memphis, Tenn.	116 S. Church
Ford, Albert B.	A.	O'Kean	311 N. East
Francis, Edward Horton	E.	Salisaw, I. T.	429 Wash.
Fultz, James Edward	A.	Eagle Mills	Mrs. Beckett's
Gaines, Dixon Trotter	A.	Lake Village	325 Lafayette
George, Frank	E.	Fayetteville	T. George's
Gillespie, Curtis H.	E.	Hazen	Gilbert House
Gladson, Hazel	A.	Fayetteville	820 W. Maple
Gollaher, Lottie	A.	Fayetteville	Sam Gollaher's
Goodwin, Maufflet Clyde	S.	McMurrain	
Goss, Alpha Loyd	E.	Fayetteville	217 W. Meadow
Gould, Carrie	A.	Noble Lake	Mrs. Brownfield's
Greathouse, William David	A.	Johnson	N. School
Green, Thomas Andrew	A.	Mineral Spgs.	Buchanan Hall
Greer, James Richard	E.	Fayetteville	B. F. Greer's

Name.	Course.	Post Office.	Boarding Place.
Gregg, Lafayette Ham	S.	Fayetteville	L. W. Gregg's
Gregg, Mildred Loise	A.	Fayetteville	Dr. A. S. Gregg's
Gregory, Byrd	E.	Jonesboro	Buchanan Hall
Gresham, Sam Nathaniel	E.	Eagle Mills	Mrs. Beckett's
Gresham, Voy		Pine Bluff	Mrs. Ballard's
Griffin, Wallie B.	A.	Oakland	203 W. Dickson
Grissom, Nora M.	A.	Fayetteville	J. H. Grissom's
Gulley, Viola Emma	A.	Fayetteville	322 St. Charles
Gustavus, Frederick Louis	A.	Moro	Frisco
Hagins, John	S.	Star City	727 Douglas
Hale, Willie	A.	Oak Grove	Young's
Hall, Millard Zachry	A.	Mulberry	Buchanan Hall
Hall, Sarah E.	T.	Holly Grove	740 W. Maple
Hall, Sarah Virginia	C.	Fayetteville	212 East
Haley, Mary Iva	Sp.	Fayetteville	16 S. West
Hamilton, Andrew Claude	A.	Fayetteville	A. C. Hamilton's
Harding, Eugene Wilson	A.	Fayetteville	357 Wash.
Harper, Ethel Louise	A.	Prairie Grove	99 Hill
Hart, George W.	A.	Hindsville	Washington Hotel
Harkreader, Thomas Luke	A.	Clarksville	Mrs. Cowling's
Harris, James Lee	T.	Fayetteville	D. B. Harris'
Harris, Emmett Alexander	A.	Corinth	Mrs. Elliston's
Harris, Fannie May	T.	Fayetteville	D. B. Harris'
Harris, Mary Eutha	A.	Fayetteville	Harris'
Hayman, Etta	A.	Oakfuskee, I. T.	Pratt's
Hedrick, Grace Myrtle	A.	Fayetteville	Herrick's'
Henry, Frank Tillar	Agr.	McGehee	17 Hill
Hickey, Vienna	S.	Fayetteville	Leverett
Hilt, George William	E.	Fayetteville	313 Lafayette
Hobbins, Fred Henry	T.	McKinney, Tex.	Boswell House
Housman, George Finis	S.	Princeton, Texas	
Hudgins, Harvey Zeno Ross	Agr.	Fayetteville	H. M. Hudgins'
Hudgins, Jo Florence	A.	Mena	109 Rock
Isaacs, Philip Lesser	S.	Forrest City	629 W. Dickson
Jackson, Martha	T.	Fayetteville	Jackson's
James, Lewis Lee	Agr.	Searcy	Melton's
James, Roy Ballard	E.	Fayetteville	S. O. James'
Jarnigan, Tollie	T.	Huntsville	Mrs. Brownfield's
Jeffus, Adam Roy	Agr.	Camden	J. M. Ellison's
Jenkins, Ethel Ozeat	A.	Fayetteville	N. S. Jenkins'
Jenkins, Jeff Pollard	E.	Fayetteville	N. S. Jenkins'
Johnson, Amy Dayton	A.	Fayetteville	M. V. Johnson's
Johnson, Thomas L.	S.	Paden, I. T.	Mrs. Ross'
Jones, Carl	C.	Paris	
Jones, Dudley	A.	Mena	603 Leverett
Jones, Gertie Flora	A.	Durham	103 School
Jones, Willie	A.	Fayetteville	School & Center
Kantz, Nellie Welch	A.	Fayetteville	E. Univ.
Keys, Campbell Taylor	E.	Coffeyville, Kan.	17 Dickson
Killgore, Pearl Maudie	T.	Fayetteville	Leverett

Name.	Course.	Post Office.	Boarding Place.
Kindley, Wendell Hugh	S.	Gravette	P. W. Melton's
King, Bennie T.	A.	Harrison	18 E. Dickson
Kitchens, Luther Cly	S.	Waldo	Buchanan Hall
Kocourek, Frank Joseph	S.	Hazen	136 Hill
Kuykendall, Ermer	A.	Jonesboro	
Lavalier, Clarence	S.	Miami, I. T.	
Lawson, Alva Lilian	A.	Fayetteville	433 N. College
Lee, Joseph Marvin	E.	Lake Village	104 East
Leftwich, Vollie	S.	Magazine	629 W. Dickson
Lehman, Roy	S.	Fayetteville	J. Lehman's
Leverett, Fred Percival	A.	Fayetteville	Leverett
Lewis, John Aden	Sp.	Lewisville	Buchanan Hall
Little, John Floyd	A.	Lavaca	
Love, George Thomas	S.	Alma	J. C. Love's
Lucas, Charles Thomas	S.	Dublin	Tilley's
Lyghtle, Erskin	S.	St. Charles	623 N. Whitam
Lynch, Addie Bell	T.	Harman	740 W. Maple
Lynn, Agnes	A.	Fouke	322 St. Charles
MacCune, Harold Frederic	E.	Fayetteville	School & Prairie
Major, Homer	E.	Fayetteville	E. V. Major's
Marlow, Mattie	S.	Fayetteville	312 School
Martin, Robert Murray	E.	Fayetteville	521 Leverett
Mayes, Ethel Esther	A.	Goshen	803 W. Dickson
Mayes, Othel Otis	A.	Goshen	John Mayes'
McAdams, Marie Julia	C.	Fayetteville	201 E. Dickson
McAlexander, Mettie Alvesta	S.	Fayetteville	A. B. McAlexander's
McAnally, James Bennette	E.	Elm Springs	J. C. Stanford's
McCarter, Johnnie Franklin	A.	Maple	Joe Young's
McCauley, Bessie Ruth	C.	Fayetteville	G. H. McCauley's
McCloud, John Thomas	E.	Winslow	Oriental Hotel
McClure, Sam Morgan	E.	Cane Hill	325 W. Lafayette
McCoy, Helen	A.	Fayetteville	John McCoy's
McCuen, Quintin	A.	Hazen	Scott's
McDaniel, Laura	A.	Ada, I. T.	644 W. Maple
McDonald, Edward F.	E.	Sheridan	Buchanan Hall
McIlroy, William Hayden	E.	Fayetteville	Garland & Dickson
McKinney, Otho Finton	E.	Fitzhugh	17 Hill
McNamara, Pattie Irene	A.	Fayetteville	W. Dickson
Meacham, Edna Matilda	A.	Fayetteville	Frisco
Medearis, Park Hinds	A.	Westville, I. T.	Portis House
Milford, Clinton George	S.	Ben Lomond	Buchanan Hall
Miller, Mattie	C.	Moro	138 Hill
Minturn, Benjamin Bonny	A.	Elkins	W. College
Miser, Cora Dot	A.	Rogers	Mrs. S. Buttram's
Moore, Harris	A.	Fayetteville	Mrs. M. C. Moore's
Moore, Katherine	A.	Fayetteville	207 W. Lafayette
Morton, Grace	A.	Farmington	Cor. Spring & School
Morton, James Herbert	E.	Fayetteville	512 Washington
Moulden, Hattie	A.	Fayetteville	W. P. Moulden's
Nelson, Robert Adams	A.	Buford	Hill Hall

Name.	Course.	Post Office.	Boarding Place.
Nettleship, J. C.	E.	Fayetteville	J. W. Nettleship's
Nicholson, Jesse Washington	T.	Swifton	Anderson House
Nicks, Hubert Archie	A.	Pocahontas	A. M. Nicks'
Nicks, Ruth	T.	Pocahontas	A. M. Nicks'
Nolen, Hugh John	A.	Dublin	15 Douglas
Oliver, Georgia Louise	A.	Fayetteville	C. M. Oliver's
Olyphint, Leslie	S.	Little Rock	Ellison's
Parker, Frank J.	T.	Hamburg	J. W. Parker's
Patterson, Roger	E.	Keokuk, Okla.	
Peck, Louise	C.	Fayetteville	702 W. Maple
Peoples, St. Clair Joseph	E.	McGehee	Anderson House
Perkins, Fannie Bell	T.	Lavaca	T. L. Bates
Perry, William Ledger	A.	Waldo	Buchanan Hall
Porter, Henry Otis	Agr.	Fayetteville	H. C. Porter's
Porter, Lee Vernon	E.	Fayetteville	H. C. Porter's
Rader, Gertrude E.	C.	Fayetteville	E. J. Rader's
Read, Laura	Sp.	Fayetteville	Dr. J. S. Read's
Reed, Annie Elizabeth	T.	Fayetteville	620 Maple
Reed, Ernest	T.	Ada, I. T.	611 Leverett
Reed, Jack	E.	Fayetteville	J. C. Reed's
Reed, Lewis	E.	Johnson	830 W. Dickson
Reed, Norman Bates	A.	Fayetteville	J. A. Reed's
Reed, William Land	E.	Gregory	Buchanan Hall
Renick, Ethel Louise	T.	Fayetteville	W. W. Renick's
Rehm, Frank	E.	Fayetteville	J. Rehm's
Riggs, Sherman Logan	S.	Springdale	Rader Hotel
Robinson, Samuel O.	A.	Mena	Mrs. Beckett's
Rodgers, Clyde S.	S.	Prairie Grove	Jos. Frost's
Roper, Cy. R.	E.	Hudspeth	
Roach, Herbert Ernest	E.	Marianna	Dr. Harris'
Roseborough, Lena	A.	Afton, I. T.	
Sanders, Hugh Wilber	E.	Sulphur Spgs.	415 N West
Sanderson, Clifford Elmer	E.	Fayetteville	Lindell
Sedwick, Frank	E.	Fayetteville	342 St. Charles
Sharp, Nora Jane	T.	Fayetteville	331 S. Locust
Shaver, Bishop Earl	A.	Charleston	322 Ralston
Shaver, Oscar Lionel	S.	Ingram	Buchanan Hall
Shelton, Agnes Deane	A.	Fayetteville	531 Washington
Sherry, Roy Smith	E.	Fayetteville	201 S. School
Simmons, Margaret Eloys	A.	Fayetteville	531 Washington
Sims, Walter	A.	Wilmer	820 Douglas
Sloan, Ethel Helen	A.	Fayetteville	246 East
Smilie, Charles Oscar	E.	Leslie	Buchanan Hall
Smith, Lucy B.	A.	Farmington	740 W. Maple
Smith, Minnie Lee	A.	Roseville	W. A. Ramsey's
Smith, Ruby Myers	A.	Fayetteville	16 Duncan
Smith, Verg	A.	Fayetteville	W. College
Southworth, James Richard	A.	Fayetteville	Dr. Southworth's
Snyder, Lee Leonard	E.	Fayetteville	T. J. Snyder's
Strum, James Monroe	T.	Pine Tree	Mrs. Ross'

Name.	Course.	Post Office.	Boarding Place.
Stamps, Clyde Earl	A.	Van Buren	Robinson's
Stearns, Nell	C.	Fayetteville	Mrs. A. L. Stearns'
Stillson, Dwight Leander	E.	Greenwood	15 Douglas
Stone, Malvina	C.	Fayetteville	W. C. Stone's
Stone, William Dudley	S.	Fayetteville	L. B. Sore's
Strahan, Herbert	E.	Stony Point, I. T.	322 Ralston
Stubblefield, Claude B.	E.	Cassville, Mo.	803 W. Dickson
Stuckey, Marguerite	C.	Muskogee, I. T.	Gilbert House
Suttle, Hugh Dowell	S.	Fayetteville	319 W. Mountain
Sutton, George	E.	Fayetteville	121 W. Dickson
Tarter, Oscar Joseph	E.	DeValls Bluff	136 Hill
Thatch, Annie Pope	A.	Fayetteville	E. K. Mummert's
Thatch, William Henderson	E.	Fayetteville	E. K. Mummert's
Thompson, Joseph Herbert	S.	Alpin	155 West
Thompson, Iris	T.	Fayetteville	355 N. West
Thompson, William Allmon	S.	Henrietta, I. T.	So. Hotel
Tilley, Harris Bennett	A.	Lincoln	15 N. Duncan
Tilley, Irene	C.	Fayetteville	Fee Tilley's
Tilley, Robert Floyd	A.	Rhea	Duncan
Tillman, Kathleen	C.	Fayetteville	421 N. College
Tolliver, James Alphonso	Agr.	Summit	
Turner, James	E.	Canadian, I. T.	Jordan's
Turner, John Benjamin	E.	Canadian, I. T.	Jordan's
Ucker, Edward J.	A.	Fayetteville	H. C. Ucker's
Vance, Buena Vista	A.	Fayetteville	C. Vance's
Vestal, Grace Beryl	A.	Statler	247 Ralston
Vestal, Mamie Latetia	A.	Statler	247 Ralston
Wade, Jessie	C.	Fayetteville	11 W. Dickson
Wagner, Fred Lanier	A.	Mulberry	Dickson
Waskom, Jesse Green	S.	Marked Tree	
Wasson, Fred Newton	E.	Gentry	227 N. Maple
Webb, Elmer Lee	T.	Martinville	T. Williams'
Weber, Pearl Bethinia	A.	Lincoln	103 School
Wells, A. D.	E.	Portland	727 Douglas
West, Charles Lee	E.	Barton	629 W. Dickson
West, Gertrude	T.	Fayetteville	644 W. Maple
West, John Andy	S.	St. Charles	623 N. Whittemore
West, Ruby	A.	Fayetteville	644 W. Maple
Wetherton, Grover Cleveland	A.	Dublin	Ellison's
Wharton, Leonard Arthur	E.	Eagle Mills	Mrs. Beckett's
Wheatly, Roy C.	E.	Hazen	136 Hill
Whittmore, Leora Francis	A.	Fayetteville	416 Washington
Whittmore, Lulu	A.	Fayetteville	416 Washington
Whitaker, Ernest L.	A.	Stuart, I. T.	322 Ralston
Whitty, Anna Stella	A.	Piney	631 Leverett
Whitty, Emily	A.	Piney	621 Leverett
Wight, Eleanor H.			
Williams, Bessie May	S.	Fayetteville	18 Dickson
Williams, Jeff Hoyt	E.	Fayetteville	18 Dickson
Williams, P. L.		Fayetteville	

Name.	Course.	Post Office.	Boarding Place.
Williams, William Sidney	S.	McKinney, Texas	15 S. West
Williamson, Leroy Pittman	E.	Fayetteville	E. Dickson
Wilson, James Coswell	A.	Little Rock	Gregg House
Wilson, Lena Grace	S.	Fayetteville	603 Leverett
Wilson, Robert Irving	T.	Gentry	Anderson House
Wilson, Thomas Reed	E.	Ola	Buchanan Hall
Wolf, Bessie Pauline	C.	Paris	Mt. Nord
Wolf, Harry Harrison	A.	Paris	Arkansas Bldg.
Wood, Wade Lester	E.	Fayetteville	H. M. Wood's
Woosley, Hattie	A.	Fayetteville	J. A. Woosley's
Wright, John L.	A.	Fayetteville	W. Wright's
Wright, Sam	T.	Camden	H. H. Cook's
Zufall, Lula Maud	T.	Van Buren	357 College
			Total, 304.

MEDICAL SCHOOL.

Achard, M. M.	Brumbelow, A. L.	Garland, W. D.
Adams, A. V.	Burge, J. W.	Garner, W. M.
Adams, J. L.	Burgess, F. J.	Gillum, A. D.
Adams, T. L.	Burnett, Ernest.	Glover, A. J.
Allen, Chas.	Burton, R. F.	Glover, R. A.
Allen, R. C.	Casada, B. F.	Goodwin, Wm.
Baines, Swartz.	Cates, T. H.	Gower, J. E.
Bates, T. J.	Colay, J. H.	Gray, C. R.
Bearden, Fred.	Cottrell, W. P.	Gray, D. W.
Beasley, H. S.	Couch, W. P.	Gray, E. M.
Berry, B. M.	Cowan, Riley.	Gray, L. C.
Bevill, S. D.	Davenport, A. L.	Green, B. F.
Black, W. H.	Davenport, G. M.	Griffen, E. P.
Blakely, G. W.	Denton, R. F.	Gulley, L. C.
Blout, W. T.	Dick, W. S.	Hall, R. J.
Boen, A. L.	Dillard, J. A.	Hardy, J. T.
Bogart, H. D.	Dixon, C. B.	Hartsell, R. L.
Bohannan, Jno.	Dixon, E. M.	Henderson, Thad.
Bollinger, W. H.	Dooley, J. B.	Hendrix, A. J.
Booner, F. A.	Downs, J. H.	Hester, A. C.
Bradley, I. L.	Drennon, A. T.	Hodges, E. E.
Branscum, Sherman.	Duncan, W. D.	Holloway, W. R.
Bray, T. L.	Elton, Albert.	Hope, O. W.
Britt, J. B.	Fair, E. N.	Horton, Neal.
Brown, E. J.	Fendley, E. G.	Hunter, O. L.
Bruce, W. H.	Fowler, Arthur.	Ingram, E. M.

Jewell, I. H.	McGraw, S. J.	Simms, A. J.
Johnson, Hugh.	McKinney, A. T.	Simpson, W. S.
Johnson, S. C.	McNeil, M. P.	Smith, F. D.
Jones, J. R.	McPherson, W. G.	Smith, H. H.
Jungkind, B. F.	McRae, W. M.	Smith, S. E.
Jurgessen, J. H.	Nelson, F. L.	Sneed, R. H.
Keeter, P. H.	Newkirk, C. H.	Staton, J. W.
Keeley, O. R.	Norvell, G. B.	Stidham, J. H.
Kessinger, J. S.	Nowlin, W. A.	Stiles, G. S.
King, Edgar.	Oliver, R. B.	Stover, G. C.
King, H. C.	Pate, J. C.	Sullivan, E. L.
King, R. R.	Peeler, C. M.	Tate, Alvie.
Kubale, Edward.	Pennington, J. A.	Thompson, A. P.
Lamb, W. A.	Perry, J. T.	Thompson, H. F.
Lewallen, W. N.	Pittman, W. G.	Tipton, W. C.
Linzy, C. B.	Porter, M.	Tucker, C. C.
Long, Miss W. E.	Powell, P. R.	Turner, L. M.
Mabry, Tom.	Price, P. M.	Wadley, B. L.
Manley, R. N.	Ray, J. A.	Wadley, L. D.
Martin, A. R.	Reagan, L. D.	Watkins, G. E.
Mason, J. J.	Reiden, J. E.	Watson, C. A.
Mathews, E. L.	Reed, C. C.	Wayne, J. R., Jr.
Maxey, N. C.	Robertson, A. B.	West, J. I.
Maxwell, R. L.	Robinson, G. M.	Whaley, E. S.
May, J. R.	Rogers, W. S.	White, L. W.
Mayfield, A. M.	Rollans, H. G.	Wilkes, E. H.
Mitchell, J. D.	Row, G. C.	Wilson, H. O.
Mooney, Leon.	Rushing, F. E.	Woodul, T. W.
Mooney, W. H.	Sanders, Y. V.	Woolford, W. S.
Morton, E. L.	Shamblin, D. W.	Youmans, H. D.
McClure, P. L.	Sickler, L. N.	Young, E. T.
		Total, 171.

LAW SCHOOL.**Junior Year.**

Akers, W. G.....	Little Rock, Ark.
Bayliss, T. E.....	Little Rock, Ark.
Bratton, G. C.....	Marshall, Ark.
Brickhouse, B. D.....	Little Rock, Ark.
Burt, W. L.....	Alread, Ark.
Cammack, W. D.....	Little Rock, Ark.
Dobyns, A. W.....	Jackson, Miss.
Downie, E. B.....	Topeka, Kan.
Gardner, E. B.....	Beebe, Ark.
Gray, J. G.....	Batesville, Ark.
Grubbs, J. M.....	Wilmar, Ark.
Heard, S. D.....	Little Rock, Ark.
Hillis, J. O.....	Mariana, Ark.
Hudgins, O. W.....	Harrison, Ark.
Jacobs, Clark	St. Louis, Mo.
Marshall, Harry E.....	Mansfield, Ark.
Morris, W. L.....	Lonoke, Ark.
Norton, D. A.....	Chicago, Ill.
Pittard, F. B.....	Little Rock, Ark.
Pollard, A. S.....	Little Rock, Ark.
Rose, W. R.....	Little Rock, Ark.
Rouse, H. E.....	Little Rock, Ark.
Sprick, J. B.....	Little Rock, Ark.
Spriggs, E. L.....	Fort Towson, I. T.
Summers, T. O.....	Memphis, Tenn.
Tuggle, Ernest E.....	Little Rock, Ark.

Senior Year.

Abercrombie, J. S.....	Benton, Ark.
Chamberlin, Horace	Vicksburg, Miss.
Cooper, A. R.....	Little Rock, Ark.
Dunaway, M. E.....	Conway, Ark.
Gray, Harry	Little Rock, Ark.
Hale, Harry C.....	Little Rock, Ark.
Irby, A. S.....	Blackrock, Ark.
Lefler, G. F.....	Scotland, Ark.
Lloyd, W. K.....	Little Rock, Ark.
Mack, Ira J.....	New Port, Ark.
McConnell, G. A.....	Little Rock, Ark.

Rector, W. H.....	Gillham, Ark.
Reed, J. B.....	Lonoke, Ark.
Riffel, C. K.....	Little Rock, Ark.
Scougale, A.....	Little Rock, Ark.
Streepey, J. P	Hot Springs, Ark.
Townsend, Wallace	Little Rock, Ark.
Vick, John A.....	Little Rock, Ark.
Walser, C. M.....	Little Rock, Ark.
Wilson, J. R.....	Warren, Ark.
Total, 46.	

Statistics.

Graduates	13
Seniors	52
Juniors	62
Sophomores	85
Freshmen	169
Special students	62
Students in short courses in engineering.....	54
Students in the Conservatory.....	26
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Total number of collegiate and Conservatory students.	523
Preparatory students in the first year.....	305
Preparatory students in the second year.....	243
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Total number of preparatory students.....	548
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Total number of students at Fayetteville.....	1071
Students in the Medical School (Little Rock).....	171
Students in the Law School (Little Rock).....	46
Students in the Branch Normal College (Pine Bluff)...	240
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Total number of students in the University of Arkansas	1528

Degrees

On Commencement Day, June 20, 1905, degrees were conferred by the trustees of the University of Arkansas, as follows:

M. A.

Mock, Lucy Byrd, B. A.

C. E.

Clancy, William, Jr., B. C. E. Ash, Louis Russell, B. C. E.
Lander, Roswell Sears, B. C. E.

B. A.

Abercrombie, Bertha.	Jackson, Bruen Overton.
*Carothers, Neil.	Jefferies, Samuel Smith.
Carter, Edward Leroy.	Jordan, Grace.
Cole, Mary Elizabeth.	Kitchens, Benton Mackie.
Grubbs, John Monroe.	Kunz, Elmer Huett.
Hudgins, Jay Guy.	Reves, Claude Myrtle.
Irby, Alvin Stull.	Williams, Beulah.

B. S.

Carr, Wallace Bradbury.	Legate, Ray Holme.
Cooke, Charles Maynard.	Pope, Norman Percy.
Davis, John Benjamin.	Van Valkenburgh, Horace Bulle.
Jones, Coulter W	Webb, Charles Wallace.

B. C. E.

Beard, Abner Hamilton.	Lark, William Henry.
Chapman, Johnson, Jr.	McGehee, Benjamin.
Cromwell, Charles Williamson.	Pratt, Fletcher Howard.

B. E. E.

Olney, Lee Sedwick.	Webster, Fay.
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B. M. E.

Cockrill, Emmett.

*Degree conferred in September, 1905.

B. S. Agr.

Whitehead, Alexander Dixon.

B. S. Ch.

Dickinson, William Emmett.

B. Mus.

McMillan, Della Madeline.

Manning, Irene.

On April 12, 1905, the degree of M. D. was conferred by the University of Arkansas upon the following candidates:

M. D.

Abbott, C. C.	Hardin, N. V.	Pate, L. H.
Alford, T. F.	Hathaway, A. H.	Powell, J. W.
Allen, R. L.	Herron, W. F.	Pratt, J. B.
Berry, F. O.	Hughes, F. A.	Quidor, J. E.
Berryman, L. D.	Judd, O. K.	Routh, C. M.
Buchanan, A. S.	Martin, J. W.	Shaw, J. B.
Cason, J. R., Jr.	McDonald, C. S.	Shinn, T. J., Jr.
Crump, J. F.	McFerrin, J. O.	Simmons, J. A.
Dejarnatt, J. W.	McMath, J. T.	Utley, V. T.
Dillard, W. H.	Oates, L. T.	Wayman, A. K.
Green, W. C.	Oberholtzer, O.	

In June, 1905, the degree of LL. B. was conferred by the University of Arkansas upon the following candidates:

LL. B.

Apple, W. J.	Hobbs, H. T.	Rutherford, T. E.
Castle, J. T.	Holland, R. C.	Scoggin, W. I.
Cochran, E. E.	McDonald, F. W.	Taney, W. B.
Dudley, R. H.	Rountree, M.	Williams, W. O.
Dulaney, A. D.	Rowe, P. E.	

Collegiate Alumni of the University of Arkansas

Name.	Degree.	Year.	Occupation.	Address.
Abercrombie, Bertha.	B. A.	'05	Teacher	Gravette.
Abercrombie, J. S....	B.A.	'04	Law Student.....	Little Rock
Abernathy, G. C....	B. A.	'00	Lawyer	Warren
Aikin, D. C. B.....	C. E.	'89	Civil Engineer.....	
Alden, R.....	B.A.	'02	Asst. Cash., Grove Bank..	Grove, I. T.
Allen, Edna.....	B. A.	'96	Instr., Prep. School, U. of A.	
Anderson, L. S....	B. L. L.	'84	Clerk in Patent Office....	Washington, D. C.
Arbuckle, J. D.....	B. A.	'92	County Clerk.....	Paris
Armistead, C. F....	B. A.	'93	Capt. 6th Artillery, U. S. A.	San Francisco, Cal.
Ash, L. R.....	B. C. E.	'93	Draughtsman, Waddell &	
	C. E.	'05	Hedrick	Kansas City, Mo.
Askew, G. H.....	B. A.	'98	Insurance Agent.....	Little Rock
Askew, Nancy E....	B. A.	'01	Mrs. C. N. Weems.....	Searcy
Askew, W. H.....	B. A.	'97	Lawyer	Magnolia
Ayers, W. E.....	B. C. E.	'98	Consulting Engineer.....	Memphis, Tenn.
Barnett, Nettie.....	B. L.	'76	Mrs. C. P. Boles.....	Fayetteville
Barr, Ida.....	B. S.	'96	Mrs. R. E. Bagley.....	Cameron, Mo.
Barton, R. B.....	B. Ph.	'02	Sec. St. Francis Levee Bd.	Memphis, Tenn.
Bates, C. O.....	B. A.	'83	Prof. Chem., Coe College..	Cedar Rapids, Ia.
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Bates, J. H.....	B. A.	'86	Lawyer	Corsicana, Tex.
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Beakley, J. D.....	B. Ph.	'02	School Principal.....	Walnut Ridge
Beard, A. H.....	B. C. E.	'05	Asst. Eng. S. S. Water Co.	Pittsburg, Pa.
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Bell, M. L.....	B. A.	'98	Lawyer	Chicago, Ill.
Bevens, A. W.....	B. A.	'98	Bank of Springdale.....	Springdale.
Bibb, Blanche.....	B. A.	'93	Mrs. G. A. Humphreys....	New York City
Billings, F. M....	B. C. E.	'03	Asst. Engr., C. & Q. Ry.	Tie Siding, Wyo.
Black, J. W.....	B. A.	'92	Lawyer	McAlester, I. T.
Blackwell, W. I....	B. C. E.	'92	Engineer	Golden Lake.
Blair, J. H.....	B. C. E.	'99	Designer, Va. B. & I. Wks.	Roanoke, Va.
Blakely, Nora.....	B. A.	'78	Mrs. H. M. Hudgins.....	Fayetteville.
Blanchard, Fay H...	B. A.	'04	Teacher, Public School....	Sydney, Neb.
Blaylock, J. C....	B. C. E.	'03	Bridge Dep., C. B. & Q. Ry.	Chicago, Ill.
Bloom, J. R.....	B. E. E.	'05		
	E. E.	'04	Pine City Electric Co....	Pine Bluff, Ark.
*Booth, W. P.....	B. A.	'82	.....
Borden, Alice.....		'77	.....
Bostick, J. A.....	B. S.	'01	Civil Service.....	Washington, D. C.
*Botefur, Laura D.....		'75	Mrs. G. W. Schulte.....	
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Boyd, W. E.....	B. A.	'96	Lawyer	Cooper, Tex.
Braly, Amanda.....	B. S.	'96	Special Student, U. of A...	Fayetteville, Ark.
Braly, Etta.....	B. S.	'96	Mrs. Thos. McCulloch.....	Lincoln.
Braly, E. H.....	B. A.	'94	Kenefick Const. Co.....	Fayetteville.
Braly, E. K.....	B. M. E.	'97	Bell Tel. Co.....	St. Louis, Mo.
Brewer, O. P.....	B. S.	'93	Webber's Falls, I. T
Brewster, Hugh.....	B. A.	'03	Prin. of School.....	Coal Hill.
Briggs, O. D.....	B. A.			
	B. Ph.	'02	Helena World.....	Helena.
Brixey, A. M.....	B. A.	'90	Hardware Dealer.....	Mounds, I. T.
Brown, E. T.....	B. C. E.	'00	First Asst. Div. Engr., B. & O. Ry.....	Pittsburg, Pa.
Brown, F. I.....	B. M. E.	'02	Mechanical Engineer.....	Little Rock, Ark.
Brown, H. S.....	M. E.	'01	Tyler, Tex.
Brown, W. D.....	B. A.	'82	Physician	Newtonia, Mo.
Bryan, L. B.....	B. C. E.	'03	Asst. City Engineer.....	Chat'nooga, Tenn.
Buchanan, H. E.....	B. A.	'02	Prof. Math., Lincoln Col.	Lincoln, Ill.
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Butler, H. M.....	B. A.	'79	
Campbell, J. L.....	B. A.	'97	Traveling Salesman.....	Greenwood.
*Carden, E. B.....	B. L.	'77	
*Carnall, Ella.....	Ph. M.	'81	
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Carson, Ann E.....		'75	Mrs. John Knight.....	Jonesboro.
Carson, Augusta O.....		'75	Mrs. T. W. Cline.....	Downey, Cal.
Carter, E. L.....	B. A.	'05	Teacher in High School...	Amity.
Cartwright, W. W....	B. A.			
	B. S.	'03	Fruit Grower.....	Mountain View.
Chanslor, C. K.....	B. A.	'82	Cashier, F. & M. Bank....	Cassville, Mo.
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Chapple, E. W....	B. E. E.	'04	Gen. Electrical Co.....	Schenectady, N. Y.
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Cockrill, E.....	B. M. E.	'05	
Cole, Mary E.....	B. A.	'05	Teacher	Stillwater, Okla.
Collier, J. T.....	B. A.	'01	Teacher	Charleston.
Connelly, S.....	B. A.	'00	Farmer	Poplar Grove.
Cook, L. J.....	B. A.	'04	Cook's Law Office.....	Texarkana.
Cooke, C. M.....	B. S.	'05	Ft. Smith.
Cravens, Jessie....	B. L. L.	'83	Mrs. O. L. Cravens.....	Neosho, Mo.
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Davies, Lila C.....	B. A.	'96	Mrs. Claude Head.....	Texarkana.
Davies, Mary L....	B. A.	'04	Teacher	Texarkana.
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	B. S.			
Davis, F. H.....	B. C. E.	'03	Jr. Eng., Miss. Ry. Com...	Memphis, Tenn.
Davis, J. B.....	B. S.	'05	Chelsea, I. T.
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Dickinson, W. E..	B. S. A.	'05	Asst. Chem., Clemson Coll..	Clemson, S. C.
Dixon, W. E.....	B. A.	'01	Teacher	Waldo
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	C. E.	'94	Engineer	Helena.
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Earle, Clara	B. A.	'96	Prof. Mod. Languages, Cumberland Univ.....	Lebanon, Tenn.
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Ellis, W. Y.....	B. E. E.	'02	Supt. Pine City E. Co....	Pine Bluff.
England, W. W....	B. A.	'83	
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Fishback, L. F.....	B. S.	'89	Lawyer	Alvin, Tex.
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Freeman, W. A....	B. A.	'01	
	B. S.			
Gallaway, Rowena...	B. A.	'02	Teacher	Fayetteville.
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Gregg, L. W.....	B. A.	'82	Lawyer	Fayetteville.
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Hall, H. J.....	B. A.	'94	Editor	Waldron
Hamilton, W. J....	B. A.	'92	Teacher	Huntington
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Heberley, J. A.....	B. S.	'93	Chemist	Germany.
Hedrick, I. G....	B. C. E.	'92	Const. Engr., Waddell &
.....	C. E.	'99	Hedrick	Kansas City, Mo.
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Hervey, W. R.....	B. S.	'90	Lawyer	Los Angeles, Cal.
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Horsfall, F.....	B. S.	'00	Mo. Fruit Exp. Sta.....	Mountain Gr., Mo.
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Howell, J. W.....	B. S.	'97	First Lt. 4th Inf., U. S. A.
Hudgins, J. G.....	B. A.	'05	Teacher	Clarendon.
Hudgins, W. H....	B. C. E.	'01	Draughtsman, M. V. Ry...	Skiatook, I. T.
Hudson, J. H.....	B. L. L.	'84	Farmer	Dardanelle.
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Jackson, B. O.....	B. A.	'05	Hamburg.
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*Johnson, T. M....	B. L. L.	'80
Jones, C. W.....	B. S.	'05	Lono.
Jones, G.....	B. L. L.	'82	Lawyer	Newport
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Kinsworthy, E. B..	B. L. L.	'85	Ex-Atty-Gen of Ark., Law.	Little Rock
Kirby, F. B.....	B. A.	'89	Physician	Harrison
Kitchens, B. M.....	B. A.	'05	Paragould.
Kitchens, T. B.....	A. M.	'80	Banker	Paragould
Knott, V. P.....	B. C. E.	'04	Instructor C. E., U. of A..	Fayetteville
Kunz, E. H.....	B. A.	'05	Fayetteville.
Lake, Ella	B. L. L.	'84	Mrs. S. W. Barnett.....	Viney Grove
Lander, R. S.....	C. E.	'05
	B. C. E.	'02	C. E., W. H. Hunt Co....	Zeigler, Ill.
Langford, B. W....	B. A.	'04	Bookkeeper, Fox Bros.....	Pine Bluff
Langford, W. H....	B. A.	'80	Banker, Trustee U. of A..	Pine Bluff
Lanier, J. A.....	B. A.	'82
Lark, W. H.....	B. C. E.	'05	Asst. Div Eng., Mo. P. Ry.	Little Rock
Legate, R. H.....	B. S.	'05	Y. M. C. A. Sec., Clemson College	South Carolina
Leverett, Abbie.....	B. A.	'94	Mrs. J. H. Taff.....	Marsa, Tex.
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Marshall, J. C.....	M. A.	'79	Lawyer	Little Rock
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McConnell, J. L..	B. C. E.	'02	Supt. Const., Winona Tr. Co.	Winona Lake, Ind.
McDonough, J. B....	B. A.	'82	Reed & McDonough, Attys.	Ft. Smith
McFarlane, R. W....	B. A.	'82
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McNeill, D. A...B. M. E.		'97	Supt. of Factory.....	Salem, Ohio
McRea, C.....B. C. E.		'01	Planter	Mount Holly
Means, E. D.....B. A.		'00	Principal, Pub. Schools...	Monticello
Mellette, W. M....B. L.		'77	Mellette & Smith, Attys...	Vinita, I. T.
Melton, Hattie C...B. A.		'03	Mrs. M. L. Cotton.....	Stigler, I. T.
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Mitchell, S. A.....B. A.		'03	Law Student, Un. of Mich.	Ann Arbor, Mich.
Mobberly, H. P...B. C. E.		'94	La. East & West Ry.....	Bunkie, La.
Mock, E. L.....B. A.		'94	W. D. Cleveland & Son...	Houston, Tex.
Mock, L. Byrd....B. A.		'94		
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Moore, J. F.....B. S.		'93	Dealer in Furniture.....	Fayetteville
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Moore, J. L.....B. M. E.			Draughtsman, Westinghouse Mfg. Co.....	Pittsburg, Pa.
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Mooring, D. C....M. S.		'03	Inst. in Hort., A. & M. Col.	Mississippi
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Morrow, H. E...B. S. A.		'04	Adj. Prof. Chem., U. of A.	Fayetteville
Morrow, Mattie W...B. S.		'90	Mrs. J. Wilson.....	Fayetteville
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Mundt, L. J...B. A., B. S.		'01	Helena.
Myar, A. J.....B. C. E.		'96	Engr., St. L. B. & I. Co..	St. Louis, Mo.
Neal, W. H.....B. L.		'76	Lawyer	Van Buren
Nelson, R. J.....B. S.		'04	Field Agt., Agr. Exp. Sta..	Fayetteville
Newman, A. J.....B. A.		'91	Lawyer	Little Rock
Newman, L. L...B. E. E.		'01	Elec. Engr., Penn. Ry....	Altoona, Pa.
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Pratt, F. H.....	B. C. E.	'05	Asst. City Engineer.....	Ft. Smith
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Pruett, W. E.....	B. C. E.	'97	C., M. & St. P. Ry.....	Chicago, Ill.
Purdy, Lizzie.....	B. S.	'00	Mrs. Geo. Darden.....	Carey, Miss.
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Redus, J. L.....	B. A.	'96	Lead Hill.
Reed, G. W. M., Jr.	B. L. L.	'84	U. S. Census Office.....	Washington, D. C.
Reed, Lina X.....	B. A.	'92	Prof. of Eng., Wysbg. Coll.	Waynesburg, Pa.
*Reed, Maggie.....	B. A.	'78	Mrs. Presley Crawford.....	
Remy, Mollie.....	B. A.	'96	Mrs. S. C. Treadwell.....	Tishomingo, I. T.
Reves, C. M.....	B. A.	'04	School Principal.....	Springdale
Rieff, O. S.....	B. A.	'81	Lawyer	Little Rock
Rife, W. B.....	B. A.	'03	Prin. Public School.....	Springdale
Risser, T. S.....	B. E. E.	'04	Elec. Eng., D. M. Tel. Co..	Des Moines, Ia.
Rogers, P. A.....	B. A.	'92	Mgr. Ozark Fruit Growers'	
			Ass'n	Gravette
Ross, H. L.....	B. A.	'01	Presbyterian Minister.....	Cane Hill.
Ross, Lucy I.....	B. A.	'01	Teacher	Fort Smith.
Ross, W. A.....	B. A.	'98	Presbyterian Minister.....	Fort Smith.
*Ross, Z. C.....	B. A.	'80	
Ruggles, W. A....	B. E. E.	'03	Elec. Eng., Penn. Ry.....	Altoona, Pa.
Russell, L.....	A. B.	'80	Lawyer	Russellville
Sadler, C. L.....	B. C. E.	'01	Topographer, U. S. G. Sur.	Washington, D. C.
Sanders, C. F.....	B. A.	'99	School Principal.....	Hot Springs.
Sanders, T. E.....	B. S.			
	B. Ph.	'01	Physician	Hot Springs
Saxon, R. L.....	B. A.	'03	Physician	El Dorado.
Schoff, G. C.....	B. C. E.	'88	Civil Engr., Babcock-Wil-	
			cox Co.....	Philadelphia, Pa.
Sedwick, T. D....	B. A., B. S.	'02	Chemist, R. I. Ry.....	Chicago, Ill.
Shell, G. C.....	B. L. L.	'82	Lawyer	Lake Village
Shellenberger, Alice..	B. A.	'04	Fayetteville
Shreve, A. W....	B. C. E.	'91	In Business.....	Farmington
Shreve, H. B....	B. C. E.	'91	Engr., Johnston Steel Co..	Lorain, Ohio
*Simms, W. D.....	B. L.	'77	
*Simonds, Alice.....	B. S.	'96	Mrs. A. V. Smith.....	

*Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Skelton, G. V....	B. C. E.	'91		
	C. E.	'95	Prof. Math., Agr. Coll....	Corvallis, Ore.
Skelton, J. E.....	B. S.	'97	Chem., Roane S. & I. Co..	Rockwood, Tenn.
Slagle, Ida.....	B. A.	'89	Mrs. W. J. Gilbreath.....	Kansas City, Mo.
Sloan, C. C.....	B. S.	'00	Physician	Moline, Ill.
Smith, A. V.....	B. A.	'98	Law'r, 18 Pl. de Cervantes.	Manila, P. I.
Smith, C. D.....	B. A.	'02	U. S. Geol. Survey.....	Washington, D. C.
Smith, Fannie Marie.	B. A.	'01	.....	El Dorado
Spencer, E. L.....	B. A.	'98	Teach., Hist., High School.	Tacoma, Wash.
Stanford, A. F....	B. C. E.	'04	Res. Eng., St. F. Levee Bd.	Memphis, Tenn.
Streepy, J. P.....	B. A.	'03	Student, Law School.....	Little Rock
Stone, B. H.....	B. A.	'04	Law Student, Univ. of Va.	Charlottesville, Va.
Stroup, H.....	B. A.	'83	Lawyer, Trustee U. of A..	Paris
Stubblefield, D. T..	B. A.	'01	Stenographer, Ind. Com...	Muskogee, I. T.
Stubblefield, G....	B. C. E.	'02	U. S. Irrigation Engr.....	Pendleton, Ore.
Sutton, Mabel.....	B. A.	'02	Mrs. A. W. Wasson.....	Seoul, Corea
Sutton, W. S.....	A. M.	'78	Prof. Ped., Un. of Tex...	Austin, Tex.
Swearingen, S. C...B. A.		'04	Teacher	Jacksonville
*Taff, A.....	B. C. E.	'90	.....
Taff, J. L.....	B. A.	'84	Supt. of Schools.....	Austin, Tex.
Taff, Mary.....	B. A.	'89	Mrs. G. V. Skelton.....	Corvallis, Ore.
Taliferro, Lou....	B. L. L.	'83	Stenographer	Kansas City, Mo.
Taylor, E. L.....	B. L.	'76	Lawyer	Bentonville
Taylor, D. W.....	B. A.	'00	Bookkeeper	Pine Bluff
Taylor, R.....	B. A.	'03	Inst., Prep. School, U. of A.	Fayetteville
Teague, C. V.....	B. A.	'79	Lawyer	Hot Springs
Thomason, Annie C..	B. A.	'01	Mrs. C. L. Dunlap.....	Fayetteville
Tillar, B. J.....	B. A.	'86	Capitalist	Ft. Worth, Tex.
Tillman, J. N....	B. L. L.	'80	President, Univ. of Ark..	Fayetteville
Towler, G. F.....	B. A.	'00	In Business.....	Bearden
Treadway, W. A..B. E. E.		'01	.....
	E. E.	'04	Treadway Elec. Co.....	Little Rock
Treadway, W. A..B. E. E.				
	E. E.	'01	Treadway Elec. Co.....	Little Rock.
Treadwell, L.....	C. E.	'88	Engr., St. L. & S. F. Ry..	New Orleans, La.
Treadwell, S. C.....	B. A.	'84	Lawyer	Tishomingo, I. T.
Triplett, C. H.....	B. A.	'01	In Business.....	Pine Bluff
Vance, A. M.....	B. C. E.	'93	Engr., Mo. Pac. Ry.....	Carthage, Mo.
Vandeventer, J.....	B. S.	'93	U. S. Army.....	
VanValkenburgh, H. B.,				
	B. S.	'05	Y. M. C. A. Sec., U. of Ga.	Athens, Ga.
Vaughan, George....	B. A.	'96	Lawyer	Little Rock
Vaulx, Eleanor.....	B. A.	'04	Public School Teacher....	Fayetteville
Vaulx, Julia.....	B. A.	'92	Instructor, Univ. of Iowa..	
Vaulx, Katherine D..	B. A.	'97	Teacher	
Vaulx, S. F.....	B. A.	'92	Bluff City Lumber Co....	Pine Bluff
Waggener, Annie....	B. L.	'77	Mrs. Marcus.....	Cincinnati, Ohio
Waggener, W. J....A. M.		'76	Prof. Nat. Phil., U. of Col.	Boulder, Col.
Walker, J. V.....	B. A.	'77	Lawyer	Fayetteville

* Deceased.

Name.	Degree.	Year.	Occupation.	Address.
Walker, J. W.....	B. A.	'04	Med. Student, Wash. Univ.	St. Louis, Mo.
Watson, C. A.....	B. A.	'77	Fruit Grower.....	Fayetteville
Watson, J. J.....	B. A.	'81	Teacher	Stockton, Cal.
Warren, G. A.....	B. L.	'88	Physician	Black Rock
Wasson, A. W.....	B. A.	'02	Missionary	Seoul, Corea
Webb, C. W.....	B. S.	'05	Med. Student, J. H. Univ.	Baltimore, Md.
Webster, Fay....	B. E. E.	'05	Elect. Engineer	Marvell.
Webster, Olive S....	B. A.	'01	.....	Marvell.
Wheeler, J. N.....	B. A.	'90	Capitalist	Warren
Whitehead, A. D..	B. S. A.	'05	Teacher	Folmina
Weems, C. N.....	B. A.	'99	Prof., Galloway Coll.....	Searcy
Wiley, Pearle.....	B. S.	'02	Teacher, Science, Galloway College	Searcy
Wiley, Winona May.	B. A.	'99	High School Teacher.....	Little Rock.
Wilkinson, W. N....	B. A.	'01	Bank Clerk	Mansfield
Williams, Beulah....	B. A.	'05	Teacher, Public School....	Fayetteville
Williams, C. X.....	B. A.	'04	Medical Student.....	Little Rock
Williams, Hattie....	B. A.	'98	Teacher, Public School....	Fayetteville
Williams, Jennie....	B. A.	'96	Teacher, Public School....	Fayetteville
Williams, Naomi J...	M. A.	'80	Inst., Prep. School, U. of A.	Fayetteville
*Willis, R. H.....	B. A.	'88	.....
Wilson, H. H.....	B. E. E.	'01	Elec. Eng., Penn. Ry.....	Altoona, Pa.
Wilson, J. R.....	B. A.	'04	Law Student	Little Rock
Wilson, W. O.....	B. A.	'04	High School Teacher.....	Ft. Smith
Womack, J. P.....	B. A.	'03	School Principal.....	Stephens
Wood, A. C.....	B. M. E.	'92	Engineer	Philadelphia, Pa.
Wood, B. F.....	B. E. E.	'93	Asst. Eng., Penn. Ry.....	Altoona, Pa.
Wood, C. D.....	B. A.	'79	Assoc Jus., Supreme Court.	Little Rock
Wood, C. F.....	B. C. E.	'04	Transitman, La. Ry. & Nav. Co	Laplace, La.
Wood, G. B.....	B. A.	'99	K. C. So. Ry. Office.....	Texarkana
Woodall, W. H.....	B. A.	'85	Principal, Female College..	Lake City, Fla.
Wolverton, C. D...B.	LL.	'85	Teacher	Center Ridge
Young, Daisy.....	B. A.	'00	Inst., Prep. School, U. of A.	Fayetteville

*Deceased.

Collegiate Alumni Association

The object of this association is to maintain the interests of the graduates in the institution and bring them into a closer relation with the University. To this end all of its collegiate graduates are regarded as members. The association holds an annual meeting and banquet at some time during commencement week. The officers are as follows:

DANIEL HON, '82, *President*.

DAISY YOUNG, '00, *Secretary*.

IDA PACE PURDUE, '88, *Treasurer*.

G. W. DROKE, '80,

NORA BLAKELY HUDGINS, '78,

T. A. PETTIGREW, '78,

J. F. MOORE, '93,

} *Executive Committee.*

U. of A. Alumni Association of Memphis, Tenn.

The object of this association is to help the interests of the University and to promote friendly relations among the former and present students of the University who reside in or visit Memphis and vicinity. Annual meetings are held on the first Tuesday in May, and quarterly meetings on the first Tuesday in August, November, and February. The officers of the association are:

H. N. PHARR, '93, *President*.

J. C. BELL, '94, *Vice-President*.

T. D. LAWLER, *Secretary and Treasurer*.

It is hoped that the former and present students of the University in other places will organize local associations,

Alphabetical List of Officers and Students of the Departments at Fayetteville

Abbreviations.—*Adj. Prof.*, Adjunct Professor; *Assoc. Prof.*, Associate Professor; *C.*, Conservatory of Music and Arts; *Fr.*, Freshman; *G.*, Graduate; *Instr.*, Instructor; *Jr.*, Junior; *1 P.*, First Year Preparatory; *2 P.*, Second Year Preparatory; *Prof.*, Professor; *S. C.*, Short Course in Engineering; *So.*, Sophomore; *Sp.*, Special; *Sr.*, Senior; *Un.*, Unclassified. For students by classes, see pp. 170-193; for officers, see pp. 9-13 and 18-19.

Abbott, T. D., 2 P.	Barr, F., <i>Band Instr.</i>	Blackman, Lula, <i>Sp.</i>
Acuff, S. O., S. C.	Barrett, F. B., <i>Sr.</i>	Blackshire, P. L., <i>Sr.</i>
Acuff, W., S. C.	Barrett, R., <i>So.</i>	Blackwell, R. C., 1 P.
Adams, C. F., <i>Entom.</i>	Barry, Lucile L., <i>Sp.</i>	Blackwood, W. J., 2 P.
Adams, J. W., <i>Fr.</i>	Barry, W. T., 1 P.	Blair, D. B., <i>Jr.</i>
Adkinson, W., 1 P.	Barton, Maude L., <i>So.</i>	Blair, J. H., 2 P.
Aikin, E. M., 1 P.	Bashè, Bertha, 1 P.	Blair, Leora, <i>Jr.</i>
Albright, Ella, <i>Jr.</i>	Bassett, J. W., 1 P.	Blair, T. C., <i>Fr.</i>
Alexander, J. L., S. C.	Bates, Beulah F., <i>Sp.</i>	Blake, Estelle M., <i>Instr.</i>
Allen, C. B., 2 P.	Baum, E. J., <i>Sp.</i>	Blakemore, Amy, <i>Fr.</i>
Allen, E., 2 P.	Baum, Leah C., 1 P.	Blakemore, T. L., <i>So.</i>
Allen, Edna, <i>Instr.</i>	Bayley, W. S., <i>Fr.</i>	Bland, B. F., S. C.
Allen, Ethel, 2 P.	Beauchamp, E. R., 1 P.	Boggs, W. H., <i>Fr.</i>
Allen, Francis V., 2 P.	Beckett, C. M., <i>So.</i>	Bohart, A. G. T., <i>Sp.</i>
Allen, J. C., <i>Fr.</i>	Beckett, Lovel, <i>So.</i>	Boles, A. P., <i>So.</i>
Alley, W. C., 2 P.	Belknap, Beatrice V., C.	Boles, C. B., 2 P.
Allison, S., 1 P.	Belknap, J. R., <i>So.</i>	Boles, Flora A., <i>So.</i>
Alston, E. R., <i>Sp.</i>	Bell, C. K., 1 P.	Bolinger, W. A., <i>Jr.</i>
Anderson, Mary, <i>Sp.</i>	Bell, Lexie L., <i>Fr.</i>	Bolling, Falls, 1 P.
Andrix, Annie M., 1 P.	Bell, Mabel C., 2 P.	Bond, C. S., 1 P.
Andrix, E. R., <i>Sr.</i>	Bell, R. F., 1 P.	Booth, Dunlap, 2 P.
Armstrong, F., 1 P.	Bennett, E. J., <i>Fr.</i>	Borders, J. M., <i>Sr.</i>
Arnold, Jessie G., <i>Sp.</i>	Benson, F. P., <i>So.</i>	Bost, J. V., 1 P.
Astin, E. J., 1 P.	Bently, F., 1 P.	Bowen, A. W., S. C.
Attibury, Ollie, 1 P.	Bernard, Harry, S. C.	Bowers, E. J., S. C.
Audigier, Louie, <i>Fr.</i>	Bernard, Lynette, 2 P.	Brace, L. E., 2 P.
Austin, R. L., <i>Sr.</i>	Berryman, E. A., S. C.	Brack, C. L., <i>So.</i>
Babb, W. P., 1 P.	Bettis, A. B., <i>So.</i>	Bradford, C. G., 1 P.
Baird, Cordelia, <i>Instr.</i>	Bickel, N. E., <i>Fr.</i>	Braly, Amanda L., G.
Baker, Frank, S. C.	Biggs, Fred, 1 P.	Braly, Mary L., <i>So.</i>
Baker, G. C., <i>Jr.</i>	Bills, A. F., 2 P.	Braly, W. C., <i>Jr.</i>
Baker, H. D., 2 P.	Bird, E. V., <i>So.</i>	Breckenridge, G. T.,
Balch, C. P., <i>Jr.</i>	Black, Curtis, <i>Fr.</i>	<i>Trustee.</i>
Ballard, B. C., <i>Sr.</i>	Black, Kate E., 2 P.	Breen, Augustine M., 1
Ballard, Jerrod, <i>Jr.</i>	Black, Luney, 2 P.	<i>P.</i>
Ballard, Lydia, 2 P.	Black, R. L., 2 P.	Brizzolara, J., <i>So.</i>
Barnes, Ada A., 2 P.	Blackford, O. C., 2 P.	Brockman, E. W., <i>Sr.</i>

- Broderson, Genevieve C., *Instructor*.
 Brooks, G. L., 1 P.
 Brotherton, W. R., 1 P.
 Brough, C. H., *Prof.*
 Brown, C. C., 2 P.
 Brown, Elizabeth A., *Fr.*
 Brown, Ethel, *Fr.*
 Brown, R. V., 2 P.
 Brownson, Sarah E., 2 P.
 Broyles, E., 1 P.
 Broyles, L. R., 1 P.
 Bruce, Maude L., 1 P.
 Brunskog, C. W., *Sr.*
 Brunson, Ida L., 2 P.
 Brunson, T. R., *So.*
 Bryan, G. A., 2 P.
 Bryan, W. J., 2 P.
 Bryan, Zella, *C.*
 Bryant, J. A., *Fr.*
 Bryant, R. B., *So.*
 Bryant, W. C., *Jr.*
 Bryson, J., *S. C.*
 Buck, W. R., *Fr.*
 Buckalew, I. L., 1 P.
 Bullock, W. L., *Fr.*
 Bumpass, E. K., *Fr.*
 Bunn, J. B., *Jr.*
 Burbank, F. E., 1 P.
 Burgin, W., 1 P.
 Burrow, C. M., *Sp.*
 Burton, M., *S. C.*
 Buttram, Phebe, 1 P.
 Cabe, R. L., *So.*
 Campbell, C. H., 2 P.
 Campbell, G. W., *Fr.*
 Campbell, L. L., *Sr.*
 Campbell, Minerva M., *Fr.*
 Campbell, S. J., 2 P.
 Cannon, Ida, 2 P.
 Cannon, Jesse, 2 P.
 Cannon, Margaret, 1 P.
 Carl, A. L., 1 P.
 Carpenter, Sam, *Sp.*
 Carr, J. W., *Prof.*
 Carr, Susye, *Sp.*
 Carr, W. B., *G.*
 Carroll, C. G., *Prof.*
 Carter, Bessie, 1 P.
 Carter, H. R., *Jr.*
 Carter, Noma, *Fr.*
 Carter, N. Delford, *Sp.*
 Carter, W., 1 P.
 Cash, C. C., 2 P.
 Catts, E. C., *Sr.*
 Cazort, C. A., *Jr.*
 Cazort, T. J., *Sp.*
 Chamberlain, R., 2 P.
 Chandler, J. E., *Fr.*
 Chapman, G. A., *Fr.*
 Chapman, Mabel E., 2 P.
 Chapman, Sue E., 1 P.
 Charlesworth, Claud, 1 P.
 Cheney, Marie, *C.*
 Cheney, Pauline, 2 P.
 Chester, C. W., 1 P.
 Childress, Mary V., 2 P.
 Childress, Norah, *So.*
 Chism, A. T., *S. C.*
 Chunn, G. D., *So.*
 Church, F., 1 P.
 Clark, Grace A., 1 P.
 Clark, Pearl, *Sp.*
 Clark, Ruby E., 1 P.
 Clayton, J. M., 1 P.
 Cocke, Nannie, 1 P.
 Coffman, Asa B., 2 P.
 Coker, A., *Jr.*
 Coker, John, *Fr.*
 Coker, Roy, *Jr.*
 Cole, G. A., *Prof.*
 Coleman, E. B., 1 P.
 Collins, A., 1 P.
 Collins, Inez E., 1 P.
 Collins, J. E., 1 P.
 Collins, T. A., *Sr.*
 Combs, Bertha, *Sp.*
 Combs, Walter, *Jr.*
 Comstock, K. M., 2 P.
 Conley, J., *Fr.*
 Conner, Verna L., 2 P.
 Conner, W. D., 2 P.
 Cook, E. F., *So.*
 Cook, E. T., 1 P.
 Cook, F. M., *Sp.*
 Cook, Ira, *So.*
 Cook, J. F., 2 P.
 Cook, Lela, 2 P.
 Cook, Maude, 1 P.
 Cook, S. D., 1 P.
 Cook, S. M., 1 P.
 Cotham, F. E., *S. C.*
 Cotnam, C., *So.*
 Counts, J., *Sp.*
 Cowling, A. D., *So.*
 Cowling, Ora M., 2 P.
 Cox, Mary J. T., 1 P.
 Cox, Nell, 1 P.
 Cox, O. G., *Fr.*
 Craig, Irene A., 1 P.
 Craig, Mary A., 2 P.
 Craig, P. G., *Sr.*
 Crawford, Gertrude, *Instr.*
 Crawford, J. B., 2 P.
 Crawford, V. H., 2 P.
 Crenshaw, C. L., 2 P.
 Critzer, E. B., *Instr.*
 Crockett, Mrs. Willie V., *Instr.*
 Crook, C. B., *Fr.*
 Croom, C., *Sr.*
 Croom, J. A., 2 P.
 Cross, Cage, *Sp.*
 Crow, Blaine, *Fr.*
 Crownover, J. H., 2 P.
 Crozier, Ruth M., *Jr.*
 Cubage, J. G., *Sr.*
 Culwell, J. W., 2 P.
 Dancer, W. J., 2 P.
 Daniels, Julius, *S. C.*
 Dale, H. P., 1 P.
 Dalton, C. E., *Sr.*
 Davies, S. G., *Jr.*
 Davis, A. C., *Fr.*
 Davis, Barbara C., *C.*
 Davis, Francis H., *Fr.*
 Davis, H. A., 1 P.
 Davis, Jefferson, *President. Brd. Trustees.*
 Davis, Lynah H., *Fr.*
 Davis, Lyta, *Jr.*
 Davis, Mabel A., 2 P.
 Davis, Mabel E., 2 P.
 Davis, Mary A., *Instr.*
 Davis, O. L., *So.*

- Davis, Olga, 2 *P.*
 Davis, Opal, 2 *P.*
 Davis, R. S., 2 *P.*
 Davis, T., 1 *P.*
 Davis, W. C., *Fr.*
 Davidson, A., 1 *P.*
 Davidson, Oma, 1 *P.*
 Day, H., 1 *P.*
 Deane, C. V., 2 *P.*
 Deane, H. W., *S. C.*
 Deane, Madeline A., 2 *P.*
 Deane, Ruth E., *So.*
 Deane, S. E., *Jr.*
 Deaver, J. F., *Fr.*
 DeGinther, F., 2 *P.*
 DeLoney, E., *Sr.*
 DeLongy, H. C., 2 *P.*
 Denham, C. H., 1 *P.*
 Dennis, R., 1 *P.*
 Dent, C. G., *So.*
 Dent, S. M., 2 *P.*
 Derryberry, T. N., 2 *P.*
 DeWitt, C. H., 2 *P.*
 DeWitt, Frances M., 2 *P.*
 DeWoody, S., *Fr.*
 Dickinson, C., 1 *P.*
 Dickson, E., 1 *P.*
 Dickson, E. H., *Jr.*
 Dickson, Jewell, *S. C.*
 Diffey, H. T., *Fr.*
 Dinwiddie, R. R., *Pathologist.*
 Dodson, H. C., 2 *P.*
 Dodson, J. W., *Fr.*
 Doke, Eugene M., *Fr.*
 Dorough, W. T., 2 *P.*
 Dotson, Katie, 2 *P.*
 Dowell, Grace, 2 *P.*
 Dowell, Robbie, 2 *P.*
 Doxey, W. P., 2 *P.*
 Droke, A. H., *So.*
 Droke, G. W., *Prof.*
 Droke, Lelia R., *G.*
 Droke, Mary I., *C.*
 DuLaney, J. J., *Fr.*
 Duncan, W. W., 1 *P.*
 Dunn, B. J., *Asso. Prof.*
 Dunn, R. K., *Sp.*
 Earnest, R. L., 1 *P.*
 Eason, H. E., *Fr.*
 Eby, E. C., *Fr.*
 Edwards, J. R., 1 *P.*
 Edwards, R. N., *S. C.*
 Edwards, Verna, *Fr.*
 Eilbott, R., 1 *P.*
 Eld, Lucy L., 2 *P.*
 Elder, T. D., *So.*
 Elder, V. D., 1 *P.*
 Elkins, G. W., *Fr.*
 Ellington, T. E. B., *S. C.*
 Ellis, Dora, *Fr.*
 Ellis, E., 1 *P.*
 Ellis, F., *Fr.*
 Ellis, J. K., *S. C.*
 Ellis, O. F., *Fr.*
 Ellison, Clary, 1 *P.*
 Ellison, W. L., 2 *P.*
 Elliston, B. E., *S. C.*
 Erwin, Jane, 1 *P.*
 Erwin, Mary H., 1 *P.*
 Evatt, Hassie C., 2 *P.*
 Evins, Mary J., 1 *P.*
 Evins, T. W., 1 *P.*
 Farish, Myrtie R., *Fr.*
 Farrell, C. M., 2 *P.*
 Fawcett, D. P., 1 *P.*
 Fearing, B. F., *Fr.*
 Feathers, J. E., *Jr.*
 Feild, W. T., *Sr.*
 Feldt, Lizzie F., *Sp.*
 Fenton, J. A., 2 *P.*
 Fergus, Carrie S., *Fr.*
 Ferguson, E. F., *Sp.*
 Ferguson, T. M., *Fr.*
 Finley, W., *S. C.*
 Fleming, B. R., 2 *P.*
 Flowers, A. O., *S. C.*
 Floyd, Nina B., *Sp.*
 Fogleman, J. F., 1 *P.*
 Ford, A. B., 1 *P.*
 Ford, D. L., *Fr.*
 Ford, Reth, 2 *P.*
 Foreman, C. D., *Sr.*
 Fowler, C. A., 2 *P.*
 Francis, E. H., 1 *P.*
 Freeman, T. B., *Fr.*
 Fry, J. E., *So.*
 Fulton, Jessie P., 2 *P.*
 Fultz, J. E., 1 *P.*
 Futrall, J. C., *Prof.*
 Gaines, D. T., 1 *P.*
 Gallaher, Lottie, 1 *P.*
 Galloway, Margaret B., *C.*
 Gardner, D. M., *Sp.*
 Gardner, Nell C., *C.*
 Gardner, J. W., *Sr.*
 Gardner, P. B., 2 *P.*
 Garner, W. E., 2 *P.*
 George, Finis, 2 *P.*
 George, Frank, 1 *P.*
 Gibson, R. C., *Fr.*
 Gibson, W. B., *Fr.*
 Gilbreath, Lucile, 2 *P.*
 Gill, J. H., 2 *P.*
 Gilliland, H. F., 2 *P.*
 Gillispie, C. H., 1 *P.*
 Gladson, Hazel, 1 *P.*
 Gladson, W. N., *Prof.*
 Goodner, C., 2 *P.*
 Goodwin, M. C., 1 *P.*
 Goodwin, W. J., 2 *P.*
 Gordon, L., *So.*
 Goss, A. L., 1 *P.*
 Gough, Ivor, *Fr.*
 Gould, Carrie, 1 *P.*
 Graham, H. C., *S. C.*
 Graham, S. B., 1 *P.*
 Grant, J. R., *So.*
 Gray, J. L., *Fr.*
 Gray, Bertha, *So.*
 Gray, Clara E., 2 *P.*
 Greathouse, Ollie M., *Fr.*
 Greathouse, W. D., 1 *P.*
 Green, B. C., *So.*
 Green, T. A., 1 *P.*
 Greer, J. R., 1 *P.*
 Gregg, Annie J., *Fr.*
 Gregg, Fay H., 1 *P.*
 Gregg, M. L., 1 *P.*
 Gregg, Welch, *So.*
 Gregory, Byrd, 1 *P.*
 Gresham, S., 1 *P.*
 Gresham, Voy, 1 *P.*
 Griffin, W. B., 1 *P.*

- Grissom, John, *Engineer*.
 Grissom, Nora, 1 *P*.
 Grubbs, W. W., 2 *P*.
 Grundy, A. M., 2 *P*.
 Grundy, E. J., *Sp*.
 Guinn, Zula M., 2 *P*.
 Gulley, Viola E., 1 *P*.
 Gustavus, F. L., 1 *P*.
 Hagins, John, 2 *P*.
 Hale, M., 2 *P*.
 Hale, W., 1 *P*.
 Haley, Mary I., 1 *P*.
 Hall, F. P., *Trustee*.
 Hall, Julian, 2 *P*.
 Hall, M. Z., 1 *P*.
 Hall, Sarah E., 1 *P*.
 Hall, Sarah V., 1 *P*,
Un.
 Hallman, K. E., 2 *P*.
 Hamilton, A. C., 1 *P*.
 Hamilton, W. M., *Fr*.
 Hardin, Nina V., *Gr*.
 Harding, A. M., *Gr*.
Instr.
 Harding, C. T., *Sr*.
 Harding, E. W., 1 *P*.
 Harding, V. A., *Jr*.
 Hardy, Andrew, 2 *P*.
 Harkreader, T. L., 1 *P*.
 Harper, Ethel E., 1 *P*.
 Harper, F. M., *Sp*.
 Harris, E. A., 1 *P*.
 Harris, F. M., 1 *P*.
 Harris, Ida F., 2 *P*.
 Harris, H. L., 1 *P*.
 Harris, Mary E., 1 *P*.
 Harrison, J. C., 2 *P*.
 Hart, G. W., 1 *P*.
 Harvey, A. L., *Instr*,
Chaplain.
 Harvey, H. A., *Sp*.
 Haskell, J. M., 2 *P*.
 Haskell, Lucie, *C*.
 Hausotte, E. F., 2 *P*.
 Hawkins, F. C., *Fr*.
 Haymon, Etta, 1 *P*.
 Hedrick, Grace, 1 *P*.
 Henry, F. T., 1 *P*.
 Henson, M. Y., *Fr*.
 Hewitt, J. L., *Asst. Horticulturist*.
 Hickey, Vienna, 1 *P*.
 Hicks, M. H., *C*.
 Hicks, O. E., *S. C*.
 Highsaw, J. L., *Sp*.
 Hight, Stella, *C*.
 Hight, W. C., *So*.
 Hillman, C. C., *Jr*.
 Hilt, G. W., 1 *P*.
 Hinkle, S. E., *Fr*.
 Hixson, H. G., *Fr*.
 Hobbins, F. H., 1 *P*.
 Hodges, J. W., 2 *P*.
 Holcombe, W. H., *Fr*.
 Holland, W. C., *Sr*.
 Holmes, E. P., *Fr*.
 Holt, J. S., *Jr*.
 Holtzclaw, Hanan, *Fr*.
 Hon, Lucy, 2 *P*.
 Honey, A. M., 2 *P*.
 Hooper, A. V., *Dairy*.
 Hooper, Lillian G., *C*.
 Hopson, E. E., *So*.
 Horne, J. F., 2 *P*.
 Horton, E. O., 2 *P*.
 House, J. W., *Jr*.
 Housman, G. F., 1 *P*.
 Howe, E. C., *Sec. Y. M. C. A.*
 Hudgins, H. Z. R., 1 *P*.
 Hudgins, J. F., 1 *P*.
 Hudson, E. G., *C*.
 Huffman, Annie V., 2 *P*.
 Huggins, J. E., *Sp*.
 Hughes, Harry L., 2 *P*.
 Hughes, J. J., 2 *P*.
 Hughes, J. L., 2 *P*.
 Hughes, L. C., *Jr*.
 Hughes, T. L., 2 *P*.
 Hughes, Verda, 2 *P*.
 Hughes, W. H., 2 *P*.
 Hughey, A. B., 2 *P*.
 Humphreys, H. H., 2 *P*.
 Hunt, H. G., *Sr*.
 Huntley, Phillip, 2 *P*.
 Hurley, T. D., 2 *P*.
 Hurst, G. A., *Sr*.
 Hurt, Garland, *So*.
 Hutton, M. C., *Sp*.
 Huxtable, W. G., *Fr*.
 Hyatt, R. L., *Jr*.
 Ingram, C. W., *Sp*.
 Irby, Elizabeth, *Fr*.
 Irby, Jamie H., *So*.
 Isaacs, P. L., 1 *P*.
 Jacks, M. E., *Sr*.
 Jackson, Martha, 1 *P*.
 Jackson, Z. P., *So*.
 James, C. R., *Fr*.
 James, Elsie A., 2 *P*.
 James, J. J., *Sr*.
 James, L. L., 1 *P*.
 James, R. B., 1 *P*.
 James, R. E., 2 *P*.
 Janes, J. I., *So*.
 Jarnagin, Follie, 1 *P*.
 Jarrell, F., 2 *P*.
 Jefferies, A. J., *So*.
 Jeffus, A. R., 1 *P*.
 Jenkins, Ethel O., 1 *P*.
 Jenkins, J. P., 1 *P*.
 Jett, W. A., *Sp*.
 Johnson, Amy A., 1 *P*.
 Johnson, A. J., *Jr*.
 Johnson, Clyde, 2 *P*.
 Johnson, D. A. E., *So*.
 Johnson, F. L., *Un*.
 Johnson, J. M., 2 *P*.
 Johnson, J. R., *Fr*.
 Johnson, W. S., *Prof*.
 Johnston, J. H., *Sr*.
 Johnston, S. J., 2 *P*.
 Johnston, W. S., 2 *P*.
 Jones, Dudley, 1 *P*.
 Jones, Flora G., 1 *P*.
 Jones, G. F., *So*.
 Jones, Maude, *C*.
 Jones, R. C., 1 *P*.
 Jones, Willie, 1 *P*.
 Jordan, Edna G., *Sp*.
 Jordan, Flossie, *Fr*.
 Jordan, J. K., *Fr*.
 Juneau, Chas., *S. C*.
 Kantz, Nellie, 1 *P*.
 Kantz, Willie D., *Fr*.
 Kavanaugh, W. M., 2 *P*.
 Keeney, Augusta R., *C*.
 Keeney, Marie, *Fr*.
 Keith, C. A., *Fr*.

- Keith, E. T., *Fr.*
 Keller, I., *Fr.*
 Kelley, Eugene B., 2 *P.*
 Kemp, J. W., 2 *P.*
 Keys, C. T., 1 *P.*
 Killgore, Pearl, 1 *P.*
 Kimball, F., *Sp.*
 Kindley, Lena, 2 *P.*
 Kindley, W. H., 1 *P.*
 King, Bennie, 1 *P.*
 King, Berry, *Fr.*
 Kitchens, G. T., *Fr.*
 Kitchens, H. M., 2 *P.*
 Kitchens, L. C., 1 *P.*
 Knoch, J. J., *Prof.*
 Knott, V. P., *Instr.*
 Kocourek, F. J., 1 *P.*
 Kolb, W. B., *Fr.*
 Krisle, Shelton, S. C.
 Kunz, C. H., 2 *P.*
 Kunz, Gladys I., 2 *P.*
 Kuykendall, Emer, 1 *P.*
 Lackey, Minnie, *Sp.*
 Lafalier, Clarence, 1 *P.*
 Lambert, Annie L.,
 So.
 Lamberton, H. C., *Fr.*
 Lane, A. B., 2 *P.*
 Langford, W. H.,
 Trustee.
 Lantrip, L. W., *So.*
 Larrabee, R. A., S. C.
 Lawson, A. L., 1 *P.*
 Leche, Maude M., *So.*
 Lee, J. M., 1 *P.*
 Lee, S. H., 2 *P.*
 Leeper, F. J., 2 *P.*
 Leftwich, Vollie, 1 *P.*
 Leggitt, F. A., *Fr.*
 Lehman, B. R., *Fr.*
 Lehman, Roy, 1 *P.*
 Leister, L. B., *Fr.*
 Lemen, M. J., S. C.
 Leverette, Blanche, *Sp.*
 Leverette, C. D., *Fr.*
 Leverette, F. P., 1 *P.*
 Leverette, Storer, *Sr.*
 Lewis, C. H., *So.*
 Lewis, J. A., 1 *P.*
 Lewis, Marie, *Sp.*
 Lindley, C. M., S. C.
 Lindley, J. M., S. C.
 Lindsey, E. M., *Fr.*
 Little, A. H., *Fr.*
 Little, J. F., 1 *P.*
 Little, J. G., *Fr.*
 Locke, J. M., *So.*
 Love, G. T., 1 *P.*
 Louis, C. A., 2 *P.*
 Lucas, C. T., 1 *P.*
 Lueker, C. G., *Fr.*
 Lueker, T. F., 2 *P.*
 Lyghtle, Erskine, 1 *P.*
 Lynn, Agnes, 1 *P.*
 MacCune, H. F., 1 *P.*
 Maguire, Audie, 2 *P.*
 Maguire, Nellie J., 2 *P.*
 Mahony, J. K., *Jr.*
 Maples, Ree, *Fr.*
 Major, Homer, 1 *P.*
 Manning, Gladys, *Fr.*
 Marinoni, Antonio,
 Adj. Prof.
 Marlow, Mattie, 1 *P.*
 Martin, D. R., 2 *P.*
 Martin, G. F., 2 *P.*
 Martin, H. B., 2 *P.*
 Martin, Pearl, *Inst.*
 Martin, R. M., 1 *P.*
 Martin, S. M., 1 *P.*
 Mashburn, E. E., *Sr.*
 Mastin, Eleanor, 2 *P.*
 Mathis, Hugh F., 2 *P.*
 Maxwell, J. A., *Sp.*
 Maxwell, T. J., *Sp.*
 Mauck, R. W., *So.*
 Mayes, Ethel E., 1 *P.*
 Mayes, Otis, 1 *P.*
 McAdams, Marie J.,
 1 *P.*
 McAlexander, Mettie
 A., 1 *P.*
 McAnally, Cora L., *So.*
 McAnally, J. B., 1 *P.*
 McArthur, F. R., S. C.
 McCarter, J. F., 1 *P.*
 McCartney, J. L., *Sp.*
 McCartney, Marie, 2 *P.*
 McCartney, Mary, 2 *P.*
 McCarty, R. L., 2 *P.*
 McCauley, Bessie R.,
 1 *P.*
 McClean, W. H., *Fr.*
 McCloud, B. J., S. C.
 McCloud, J. T., 1 *P.*
 McCloud, W. D., S. C.
 McCluer, S. M., 1 *P.*
 McConnell, J. E., *Jr.*
 McCord, Walter, 2 *P.*
 McCormick, Minnie M.,
 C.
 McCoy, Carlos C., S. C.
 McCoy, Helen, 1 *P.*
 McCray, Rose, *Fr.*
 McCrory, G. G., *Sr.*
 McCuin, Quintin, 1 *P.*
 McCulloch, D., *Jr.*
 McCulloch, Hugh, *Fr.*
 McDaniel, Laura, 1 *P.*
 McDermott, Angus, *Fr.*
 McDermott, Stinson,
 S. C.
 McDonald, E. F., 1 *P.*
 McDonald, J. C., *Fr.*
 McGill, J. T., *Sp.*
 McGowan, W. T., *Sp.*
 McGraw, G. D., *Fr.*
 McGregor, Josie E., 2 *P.*
 McIlroy, W. H., 1 *P.*
 McKinney, O. F., 1 *P.*
 McKnight, D. A., *So.*
 McLeod, A. A., *Fr.*
 McMillan, Eula, 2 *P.*
 McMillan, Dougald,
 Trustee.
 McMillan, F. L., *So.*
 McNamora, Irene, 1 *P.*
 McNeil, R. A., *Fr.*
 McSpadden, T. R., *Fr.*
 McSwine, Frances,
 Artist.
 McWilliams, J. H., *Fr.*
 Meacham, Edna M., 1 *P.*
 Meade, Alice F., *Fr.*
 Meek, R. S., *So.*
 Meek, W. L., S. C.
 Mercer, C. F., *So.*
 Mesler, R. D., *Sr.*
 Metcalf, D. P., 2 *P.*

- Middleton, R. J., *G.*
 Milford, C. G., 2 *P.*
 Millce, Maude, 2 *P.*
 Miller, Mattie, 1 *P.*
 Miller, Myrtle, *Fr.*
 Mintun, B. B., 1 *P.*
 Miser, Cora D., 1 *P.*
 Miser, H. D., *So.*
 Miser, W. L., *So.*
 Mitchell, Ara E., *Fr.*
 Mitchell, B., *Sr. and Adj. Prof.*
 Mitchell, G. W., *S. C.*
 Mitchell, J. L., *So.*
 Mitchell, O. C., *Jr.*
 Mitchell, Ollie M., 2 *P.*
 Mitchell, S. A., *Sp.*
 Mitchell, S. B., *Sp.*
 Mock, Carl, 2 *P.*
 Mock, Genevieve E., 2 *P.*
 Mock, L. Byrd, *C.*
 Mock, T. P., *Sp.*
 Moon, Van Tyson, 2 *P.*
 Moore, C. S., *S. C.*
 Moore, Geo., *So.*
 Moore, Harris, 1 *P.*
 Moore, Henrietta, *Jr.*
 Moore, J. W., *Sp.*
 Moore, Katherine, 1 *P.*
 Moore, Nita, 2 *P.*
 Moreland, Claude, *Fr.*
 Morgan, S. R., *Fr.*
 Morgan, W. G., 2 *P.*
 Morgan, W. S., *Sp.*
 Morris, G. C., *So.*
 Morrow, D. B., *Sr.*
 Morrow, H. E., *Adj. Prof.*
 Morton, J. H., 1 *P.*
 Morton, Grace, 1 *P.*
 Morton, Julia, 2 *P.*
 Morton, Lena, 2 *P.*
 Mouldin, Hattie, 1 *P.*
 Mullins, T. C., *Sr.*
 Munn, W. H., 2 *P.*
 Murphy, J. W., *Jr.*
 Murphy, W. C., *Fr.*
 Mustain, A. B., 2 *P.*
 Myrick, C. E., *So.*
 Nall, Lee, 2 *P.*
 Nance, Denver, *Sp.*
 Narvell, Grover, 2 *P.*
 Neely, Lila I., *C.*
 Neely, W. L., *S. C.*
 Nelken, Augusta, *Training Tr.*
 Nelson, J. W., *Fr.*
 Nelson, R. A., 1 *P.*
 Nelson, R. J., *G.*
 Nesbit, W. E., *Fr.*
 Nesbit, Zoie P., 2 *P.*
 Nettleship, I. C., 1 *P.*
 Newman, T. M., *Fr.*
 Nicholson, Jessie W., 1 *P.*
 Nicks, H. A., 1 *P.*
 Nicks, Ruth, 1 *P.*
 Nolen, Hugh J., 1 *P.*
 Nordlinger, A. S., 2 *P.*
 Nordmeyer, C. D., *Sr.*
 Norman, F. A., *S. C.*
 Norman, Olivia, *So.*
 Norton, J. H., *G. and Chemist.*
 Nutt, W. G., 2 *P.*
 Oakley, Floy A., 2 *P.*
 Oates, C. E., *Sr.*
 Oates, M. B., *Fr.*
 Oishi, Zenki, *Gr.*
 Oliphint, Leslie, 1 *P.*
 Oliver, Bessie, *Jr.*
 Oliver, Georgia L., 1 *P.*
 Oliver, J. A., *Fr.*
 Oliver, Nora C., 2 *P.*
 Oliver, Ruth, 2 *P.*
 Olmstead, C. E., *Fr.*
 Olney, L. S., *G. and Inst.*
 Orr, M. K., *Jr.*
 Overholt, Anna H., 2 *P.*
 Palmer, J. M., *Fr.*
 Palmer, L. L., *Sp.*
 Parker, A. C., *Jr.*
 Patterson, Roger, 1 *P.*
 Patton, A. P., 2 *P.*
 Payne, Brodie, *Sr.*
 Pearce, Maude D., *Sp.*
 Pearce, T. R., *Fr.*
 Pearson, H. S., *Sp.*
 Pearson, T. M., *Fr.*
 Peck, Dora, *Fr.*
 Peck, Louise A., 1 *P.*
 Peer, C. A., *S. C.*
 Peoples, S. J. C., 1 *P.*
 Perkins, Fannie B., 1 *P.*
 Perry, L. W., 1 *P.*
 Philbeck, R. E., *Instr.*
 Phillips, M. R., 2 *P.*
 Pickel, F. W., *Prof.*
 Pitchford, J. I., *Fr.*
 Plemmons, Lu, 2 *P.*
 Pope, A. D., *Sr.*
 Porter, H. O., 1 *P.*
 Porter, L. V., 1 *P.*
 Porter, Beulah L., 2 *P.*
 Portnell, J. R., *So.*
 Powell, H. E., *Jr.*
 Powers, R. B., *Commandant.*
 Pratt, D. H., *Sr.*
 Pratt, G. C., *S. C.*
 Preuett, W. N., *Fr.*
 Pritchett, F. A., *So.*
 Pritchett, R. H., *So.*
 Pruett, G. C., *Sr.*
 Pruett, J. R., *Sr.*
 Pugh, Anna, *Jr.*
 Purdue, A. H., *Prof.*
 Pye, W. D., 2 *P.*
 Pyeatt, Bess, *C.*
 Pyeatt, Teen, *C.*
 Rader, Gertrude E., 1 *P.*
 Rader, Hattie, 2 *P.*
 Ragan, Heartside, *Sp.*
 Ragland, Fannie, *Sp.*
 Rairdon, Elzie L., 2 *P.*
 Ramsey, W. A., *Prin. Prep.*
 Rankin, J. G., *Fr.*
 Rankin, W. F., *Fr.*
 Ray, J. A., 2 *P.*
 Read, Alicia J., *So.*
 Read, Laura, 1 *P.*
 Reagan, H. F., *Secretary.*
 Reagan, Z. L., *Jr.*
 Redford, Elwin, *Fr.*
 Reed, Annys, 1 *P.*
 Reed, Earnest, 1 *P.*
 Reed, Jack, 1 *P.*

- Reed, J. A., 2 P.
 Reed, Kate K., *Fr.*
 Reed, Kenneth A., *Jr.*
 Reed, Lewis, 1 P.
 Reed, Maggie, *Fr.*
 Reed, N. B., 1 P.
 Reed, W. L., 1 P.
 Regan, J. E., 1 P.
 Renick, Ethel L., 1 P.
 Renick, Roy, 2 P.
 Revel, J. W., *Sp.*
 Reves, C. S., *Fr.*
 Reves, G. W., *Fr.*
 Reynolds, J. H., *Prof.*
 Reynolds, W. T., *S. C.*
 Rhea, P. M., 2 P.
 Rhea, W. H., *So.*
 Rhodes, C. R., *So.*
 Rhyne, J. R., *Sr.*
 Rice, H. M., *Sp.*
 Rice, W. B., *Fr.*
 Riggs, S. L., 1 P.
 Risser, Elizabeth I., *Jr.*
 Roach, H. E., 1 P.
 Roberson, Clara, 2 P.
 Robinson, R. N., 2 P.
 Robinson, S. O., 1 P.
 Rodgers, H. E., *S. C.*
 Rogers, Clyde, 1 P.
 Rollins, W. H., *Treas.*
 Roper, Cup, 1 P.
 Rorie, G. C., 2 P.
 Roseborough, Lena, 1 P.
 Ross, Frank, *S. C.*
 Ross, J. H., *Jr.*
 Ross, Sam, *Fr.*
 Ross, W. B., *Fr.*
 Rotan, Claudine, 2 P.
 Russell, A. L., *So.*
 Rye, S. H., 2 P.
 Sadler, D. K., *Sr.*
 Sanders, Lucy, 2 P.
 Sanders, Lucy E., *So.*
 Sanders, W. H., 1 P.
 Sanderson, C. E., 1 P.
 Schapper, H., *Adj. Prof.*
 Schimmelpfennig, C.
 W., *Sr.*
 Scott, H. C., *Fr.*
 Sedwick, Bessie N., 2 P.
 Sedwick, Frank, 1 P.
 Seidel, Isador, *Fr.*
 Semmes, J. M., *So.*
 Shannon, C. G., 2 P.
 Shannon, E. F., *Assoc.*
 Prof.
 Shannon, Mary E., 2 P.
 Shannon, S. A., 2 P.
 Shavor, B. E., 1 P.
 Shavor, L. B., *So.*
 Shavor, O. L., 1 P.
 Shelton, Agnes D., 1 P.
 Shelton, W. C., 2 P.
 Shepherd, C. H., *So.*
 Sherrod, W. V., *So.*
 Sherry, R. S., 1 P.
 Shipley, R. E., 2 P.
 Shook, C. H., 2 P.
 Shook, Sarah, *Jr.*
 Shore, Rena B., *Jr.*
 Simmons, Claudine, 2 P.
 Simmons, Margaret E.,
 1 P.
 Simpsom, L. L., *S. C.*
 Sims, Harry, 2 P.
 Sims, Walter, 1 P.
 Sivley, G. M., *Jr.*
 Sloan, Ethel H., 1 P.
 Sloan, Paul, 2 P.
 Slocum, A. L., 2 P.
 Smead, L. B., 2 P.
 Smilie, Chas. O., 1 P.
 Smilie, R. P., *Jr.*
 Smith, E. C., *So.*
 Smith, H. R., *Fr.*
 Smith, H. T., *Sp.*
 Smith, Jessie, *Sp.*
 Smith, Lucile B., 1 P.
 Smith, Minnie L., 1 P.
 Smith, Ruby M., 1 P.
 Smith, V., 1 P.
 Snell, M. F., 2 P.
 Snyder, Lee, 1 P.
 South, J. C., *Trustee.*
 Southworth, J. R., 1 P.
 Sowers, Grace, *So.*
 Sparkman, Ruth E., 2 P.
 Spaulding, G. B., 2 P.
 Spaulding, H. O., 2 P.
 Spradlin, B. A., *Jr.*
 Srum, J. M., 1 P.
 Stacy, Hal G., *So.*
 Stafford, G. C., *Fr.*
 Stamps, C. E., 1 P.
 Stanford, J. B., *Sr.*
 Stanley, J. H., *Jr.*
 Stanley, T. E., *Sp.*
 Stansberry, G. P., *Fr.*
 Starbuck, Arward, *So.*
 Stearns, Nellie, 1 P.
 Steel, A. A., *Assoc.*
 Prof.
 Stelzner, W. B., *Jr.*
 Stephens, Otis, *Sp.*
 Stewart, C. F., *S. C.*
 Stewart, Sanford, *Jr.*
 Stillson, D. L., 1 P.
 Stockton, Irene G., *Sr.*
 Stone, E. E., 2 P.
 Stone, J. H., *Sr.*
 Stone, Malvina, 1 P.
 Stone, W. D., 1 P.
 Stover, L. M., *Sp.*
 Straham, Herbert, 1 P.
 Strait, Claude, 2 P.
 Strong, J. C., *Fr.*
 Stroup, H., *Trustee.*
 Stubblefield, C. B., 1 P.
 Stubblefield, Etalle,
 2 P.
 Stuckey, Margaret, 1 P.
 Sullivan, H. E., *Fr.*
 Sullivan, L. H., 2 P.
 Suttle, H. D., 1 P.
 Sutton, Beulah, *Fr.*
 Sutton, Edith, *Fr.*
 Sutton, George, 1 P.
 Sutton, J. H., *Fr.*
 Tabor, H. B., *Sr.*
 Tartor, O. J., 1 P.
 Taylor, Joe, 2 P.
 Taylor, Rupert, G. and
 Inst.
 Terry, F. A., 2 P.
 Tharp, Mattie I., *Sp.*
 Thatch, Annie, 1 P.
 Thatch, W. H., 1 P.
 Thomas, B. F., *Jr.*
 Thomas, J. A., 2 P.
 Thompson, Iris, 1 P.

- Thompson, J. H., 1 *P.*
 Thompson, M. F., *So.*
 Thompson, O. E., 2 *P.*
 Thompson, R. E., *Fr.*
 Thompson, W. A., 1 *P.*
 Thompson, W. E., *Sp.*
 Thurston, Monte, *C.*
 Tidball, Nell, *Jr.*
 Tidball, Sue, 2 *P.*
 Tillman, F. A., *Sp.*
 Tillman, John N., *Pres.*
 Tillman, John W., *Sp.*
 Tillman, Katherine, 1 *P.*
 Tilley, R. F., 1 *P.*
 Tilly, Irene, 1 *P.*
 Tilly, Harris, 1 *P.*
 Toliver, J. A., 1 *P.*
 Torrorns, P. W., *Sp.*
 Townsley, F. P., *Jr.*
 Trent, Bess, *Fr.*
 Trimble, Fannie E., *Fr.*
 Tucker, M. C., 2 *P.*
 Tucker, J. R., *So.*
 Tucker, M. E., *Jr.*
 Turner, Delia, 2 *P.*
 Turner, James, 1 *P.*
 Turner, James B., 2 *P.*
 Turner, S., 2 *P.*
 Tyson, W. C., *Jr.*
 Ucker, E. J., 1 *P.*
 Umbaugh, Ollie L., *Jr.*
 Vance, Beuna B., 1 *P.*
 VanValkenburgh, Carrie E., *C.*
 VanValkenburgh, W. M., *Jr.*
 Vaughn, J. H., 2 *P.*
 Vestal, G. B., 1 *P.*
 Vestal, Mamie L., 1 *P.*
 Vincenheller, W. G.,
Director, Ex. Sta.
 Wade, Jesse, 1 *P.*
 Wade, R. W., *Agrst.*
 Wadley, J. L., 2 *P.*
 Wadley, R. B., 2 *P.*
 Wagner, F. L., 1 *P.*
 Walker, Anna, *Sp.*
 Walker, E., *Prof.*
 Walker, Mabel M., *Fr.*
 Wallace, Carma E.,
S. C.
 Walls, C. A., *So.*
 Wassell, Lynn, 2 *P.*
 Wassell, Mrs. Sam,
Matron.
 Wasson, F. N., 1 *P.*
 Waterfield, E. A., *Fr.*
 Watkins, C. T., 2 *P.*
 Watson, E. P., *So.*
 Watson, J. T., *Jr.*
 Wear, R. L., *So.*
 Webb, Ellma L., 1 *P.*
 Webb, J. W., *Fr.*
 Weber, L. W., *Sr.*
 Weber, Pearl B., 1 *P.*
 Webster, W. V., *S. C.*
 Weld, Jean G., *Jr.*
 Wells, A. D., 1 *P.*
 Wells, D. E., *S. C.*
 Wells, E. E., *Sp.*
 West, C. L., 1 *P.*
 West, D. E., *Fr.*
 West, Gertrude, 1 *P.*
 West, J. A., 1 *P.*
 West, Ruby, 1 *P.*
 West, S. E., 2 *P.*
 Westbrook, H. L., *Fr.*
 Wetherton, G. Cleve, 1
P.
 Wharton, D. A., 1 *P.*
 Wheatley, R. C., 1 *P.*
 Wheeler, S. B., 2 *P.*
 Wheelis, Ola L., *C.*
 Whitaker, E. L., 1 *P.*
 White, F. S., *Fr.*
 White, Pearl, *Fr.*
 Whittmore, Leora F.,
 1 *P.*
 Whittmore, Lula, 1 *P.*
 Whittmore, Willie L.,
Fr.
 Whitty, Anna S., 1 *P.*
 Whitty, Emily N., 1 *P.*
 Whyte, Horace, 2 *P.*
 Wier, H. B., 2 *P.*
 Wight, Eleanor H., 1 *P.*
 Wiggins, J. C., *So.*
 Wiggins, P. H., 2 *P.*
 Wiggins, T. C., 2 *P.*
 Wilkinson, L. R. P., 1
P.
 Williams, Addie L., 2 *P.*
 Williams, Bessie M.,
 1 *P.*
 Williams, Clara E., *So.*
 Williams, Carrie M.,
 2 *P.*
 Williams, H. L., 2 *P.*
 Williams, James H.,
S. C.
 Williams, Jeff H., 1 *P.*
 Williams, J. P., 1 *P.*
 Williams, J. R., 2 *P.*
 Williams, Linus A., *Sp.*
 Williams, M. C., 2 *P.*
 Williams, Naomi J.,
Instr.
 Williams, O. E., *So.*
 Williams, R. W., *Fr.*
 Williams, W. Q., 2 *P.*
 Williams, W. S., 1 *P.*
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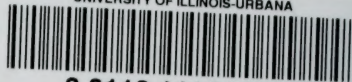
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